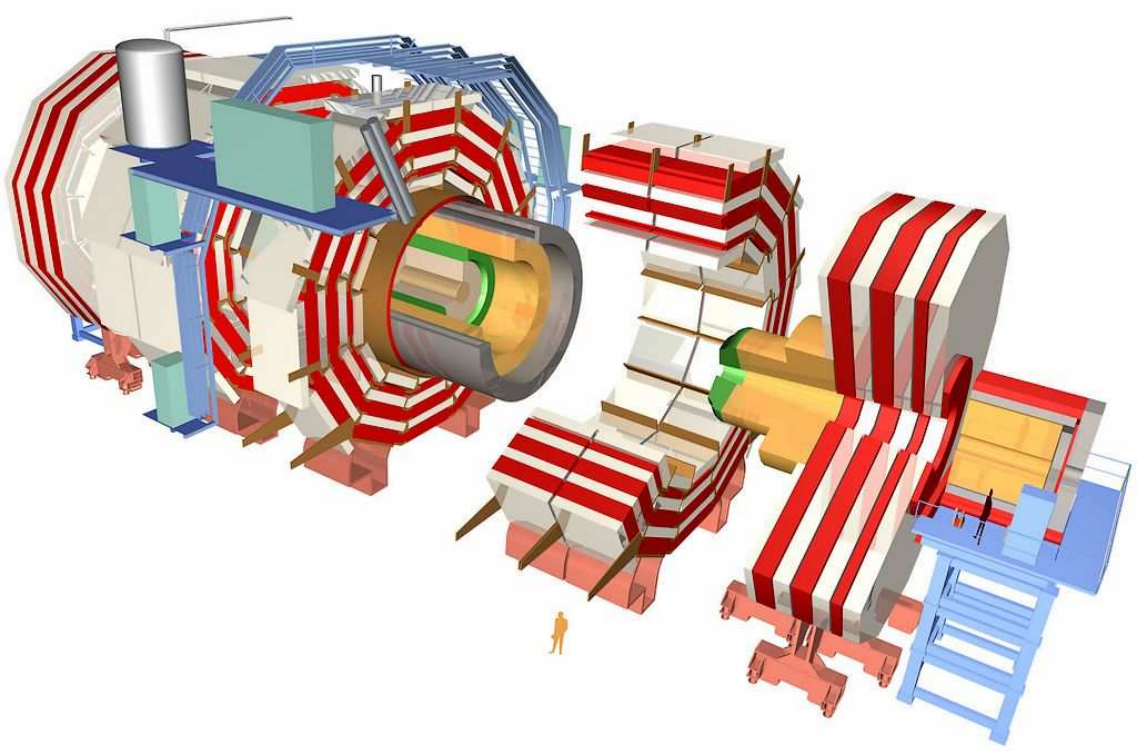
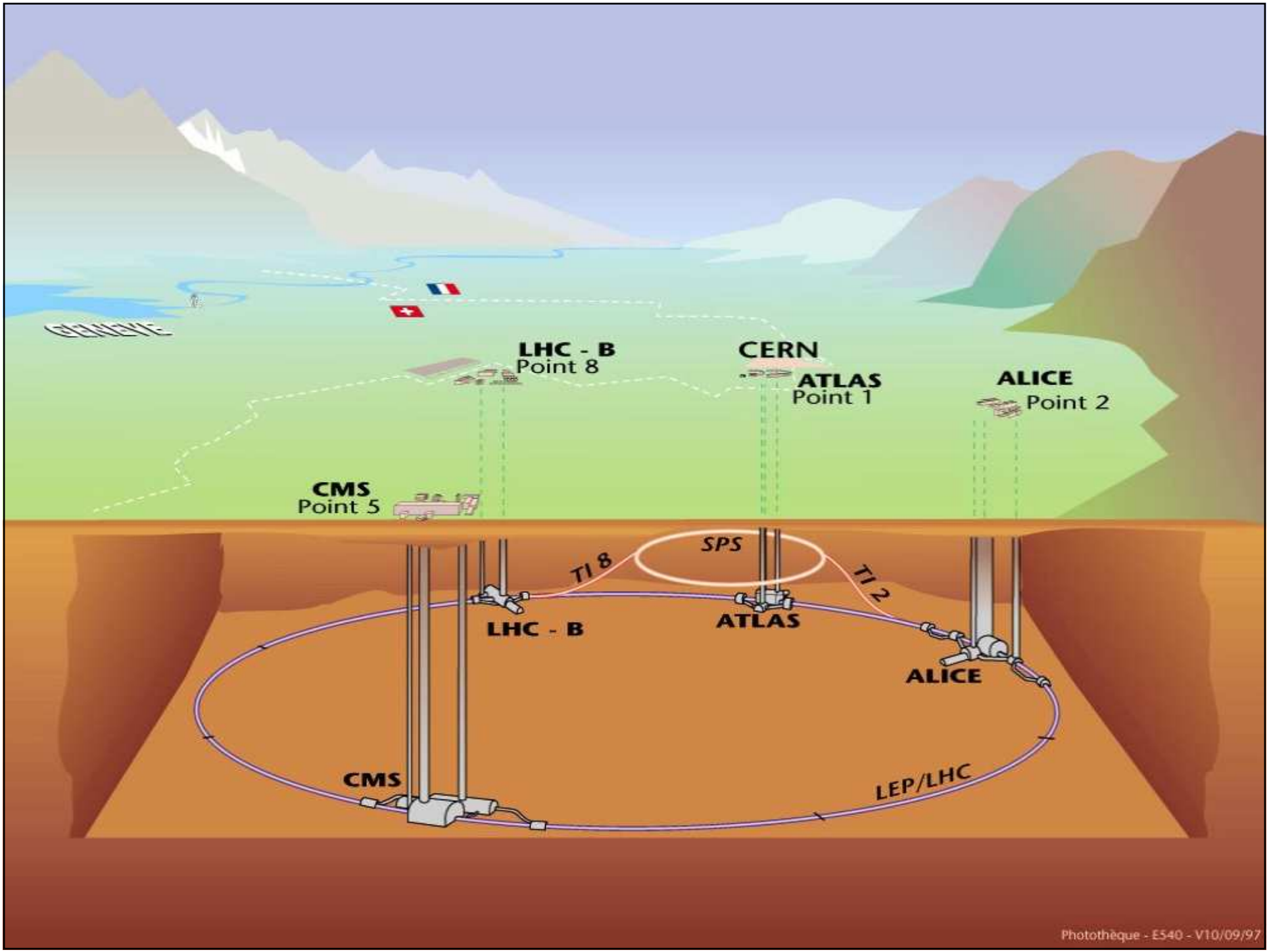
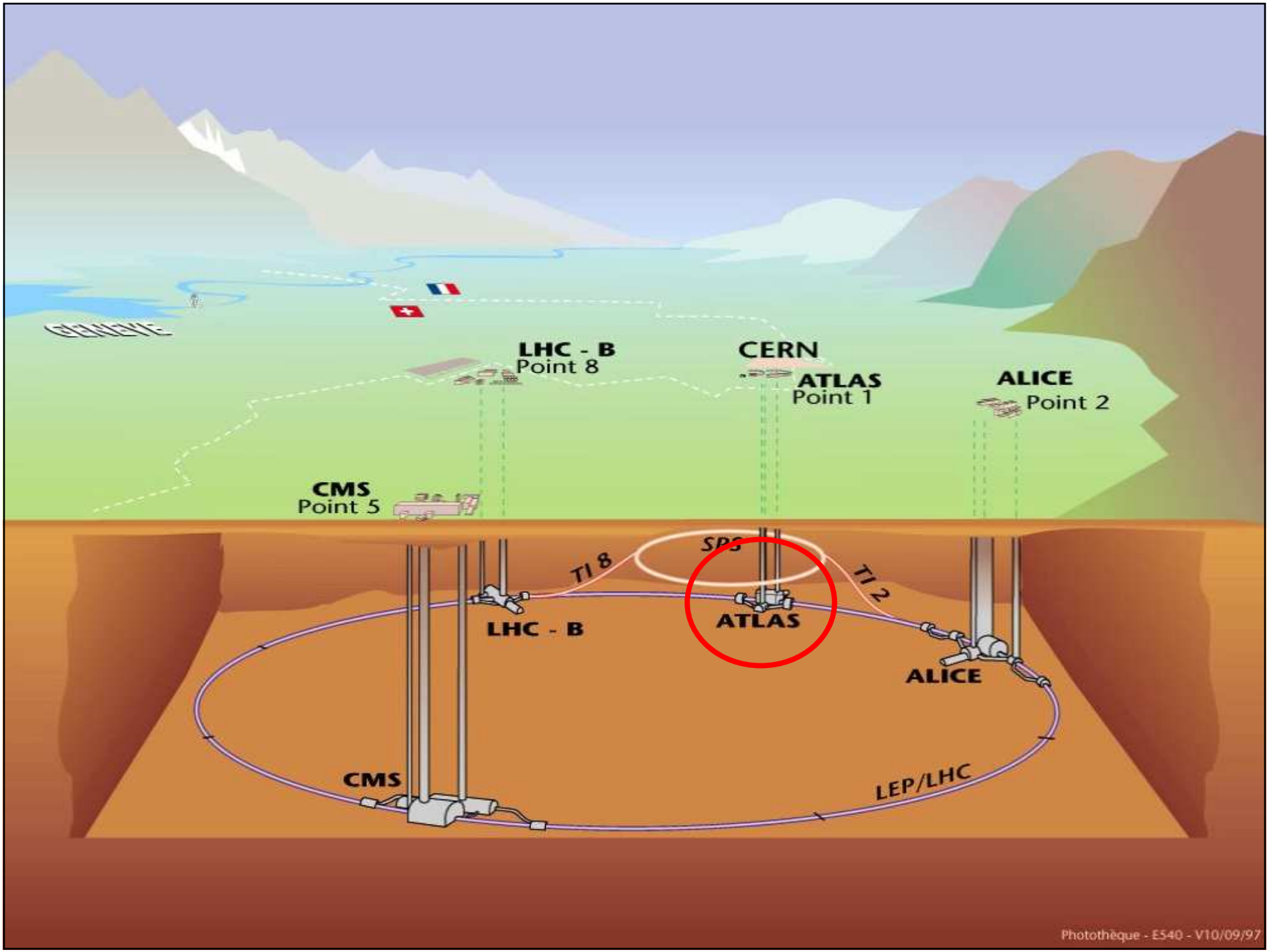
Teil 11: Teilchendetektoren I




GENEVE
LHC - B
Point 8
CERN
ATLAS
Point 1
ALICE
Point 2
CMS
Point 5
SPS
TI 8
TI 2
LHC - B
ATLAS
ALICE
CMS
LEP/LHC
Photothèque - E540 - V10/09/97


GENEVE
LHC - B
Point 8
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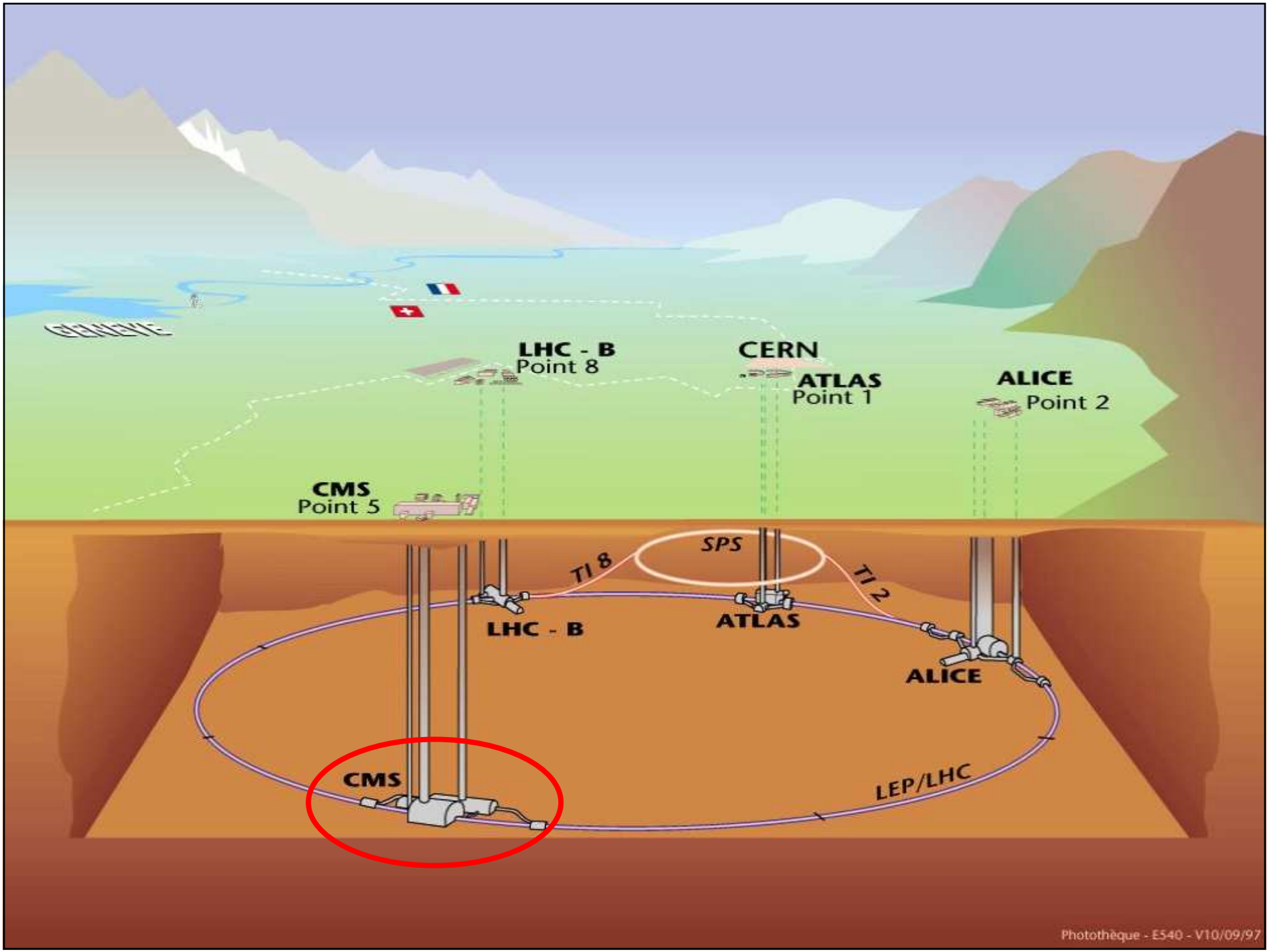
Photothèque - E540 - V10/09/97


GENEVE
LHC - B
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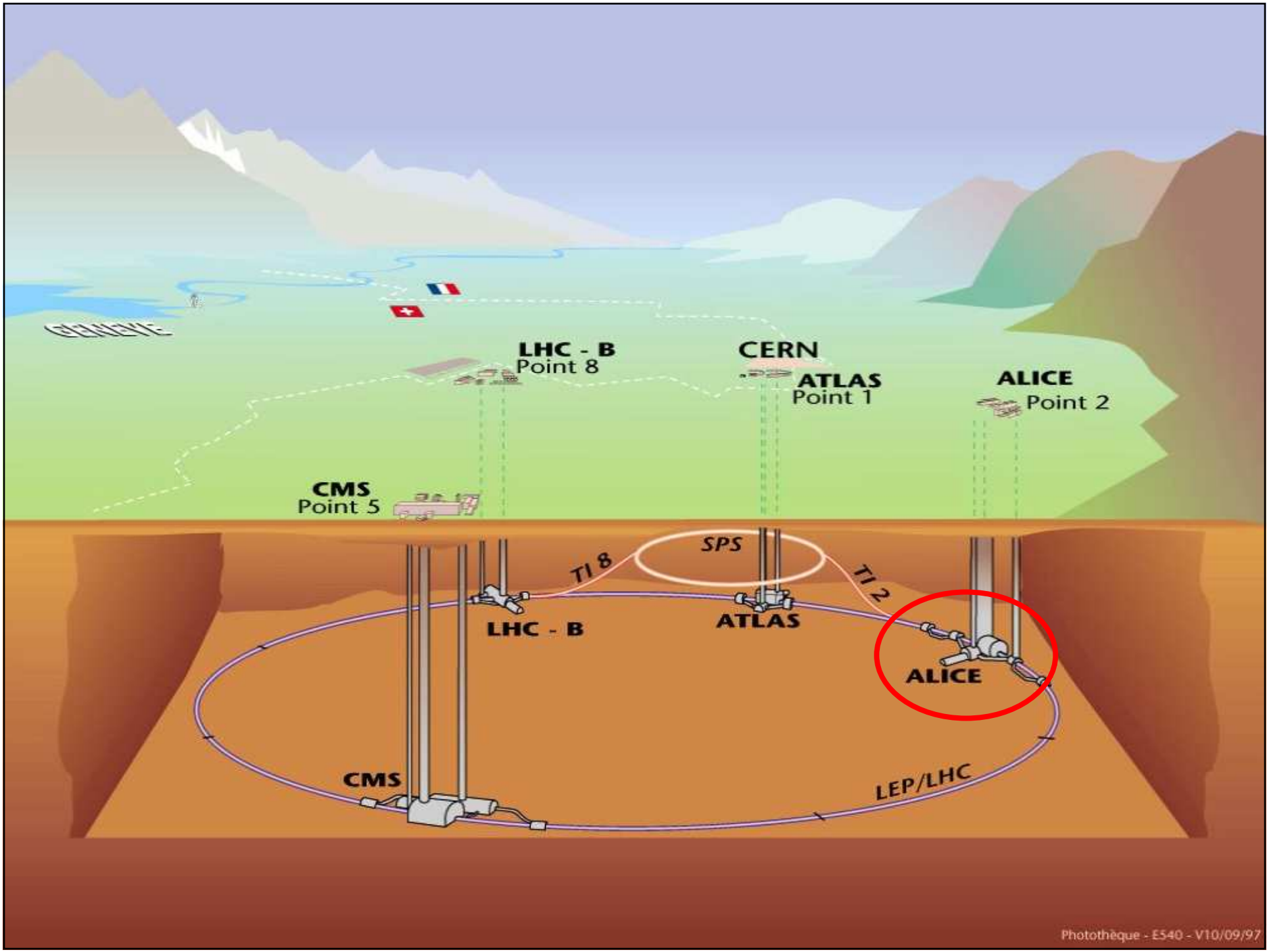
Photothèque - E540 - V10/09/97


GENEVE
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ATLAS
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CMS
LEP/LHC
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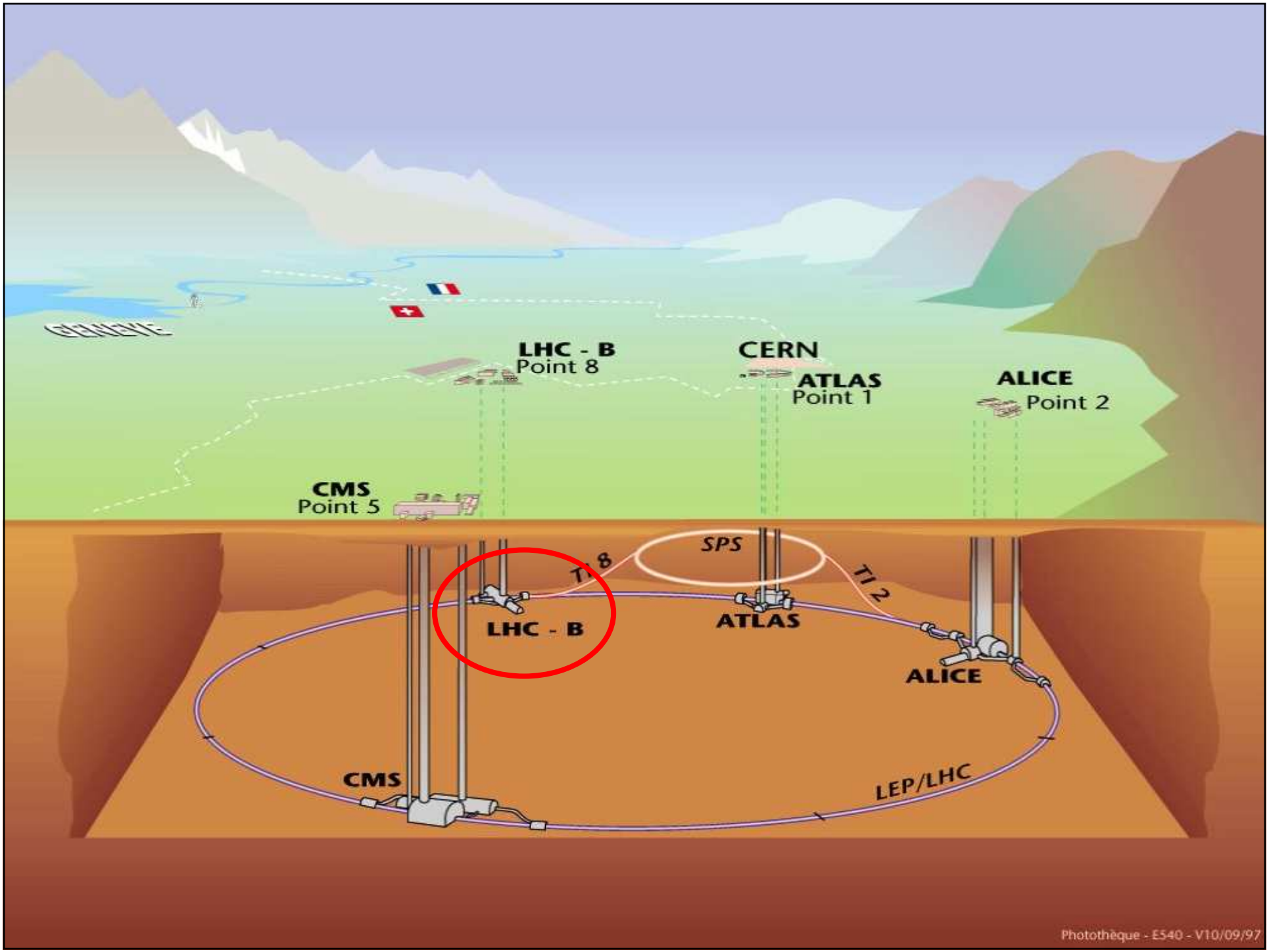
GENEVE
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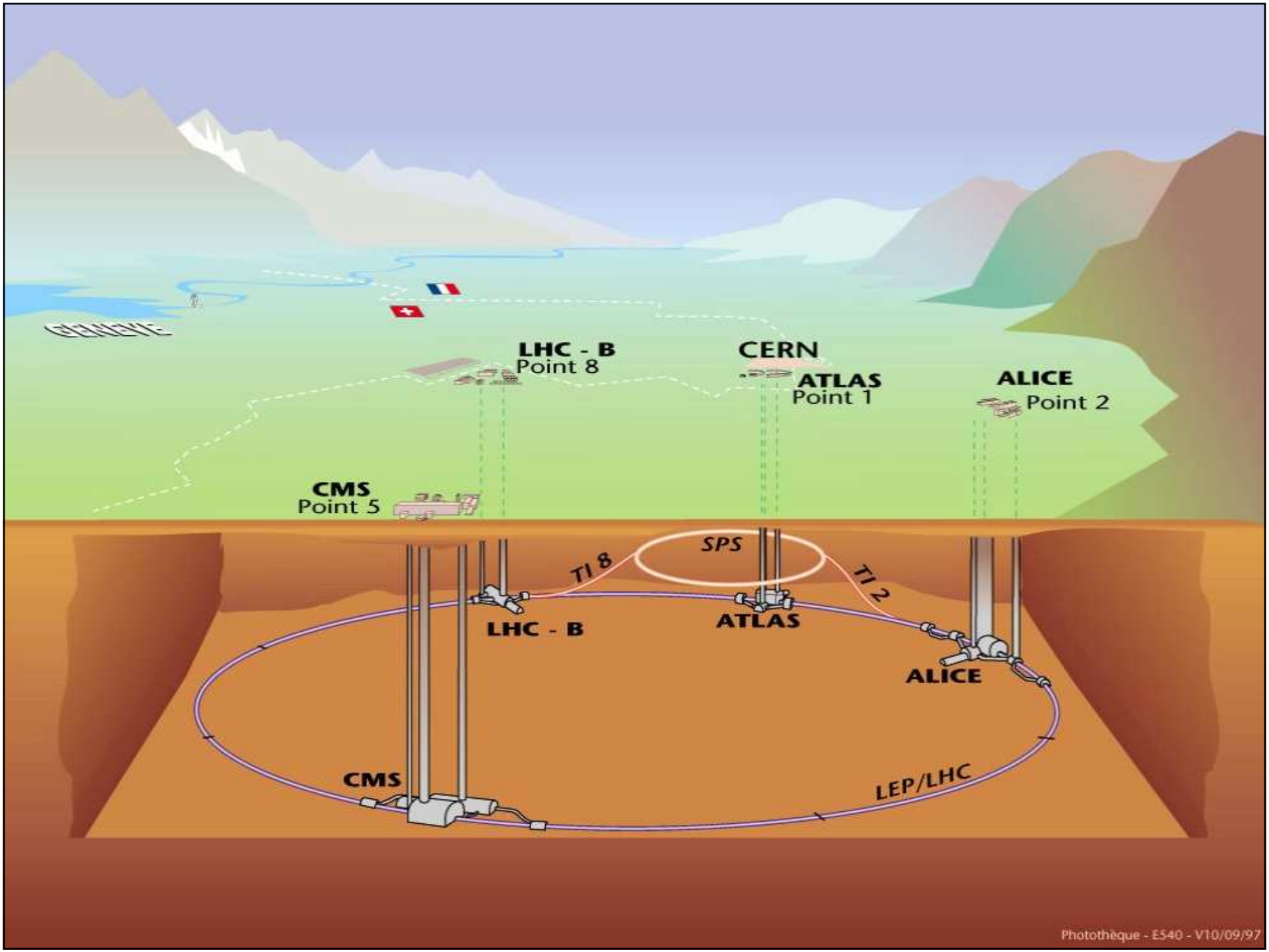
Photothèque - E540 - V10/09/97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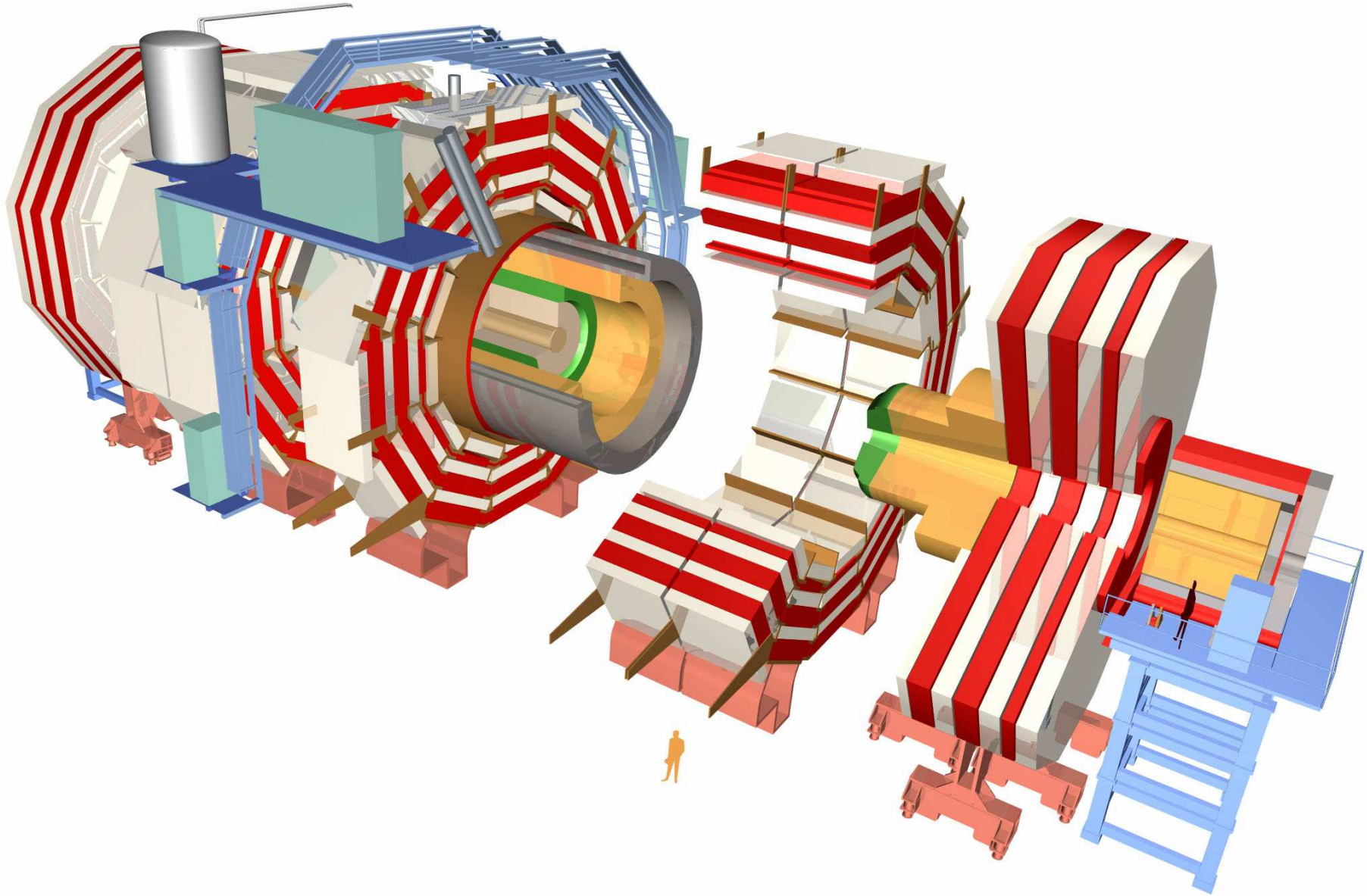
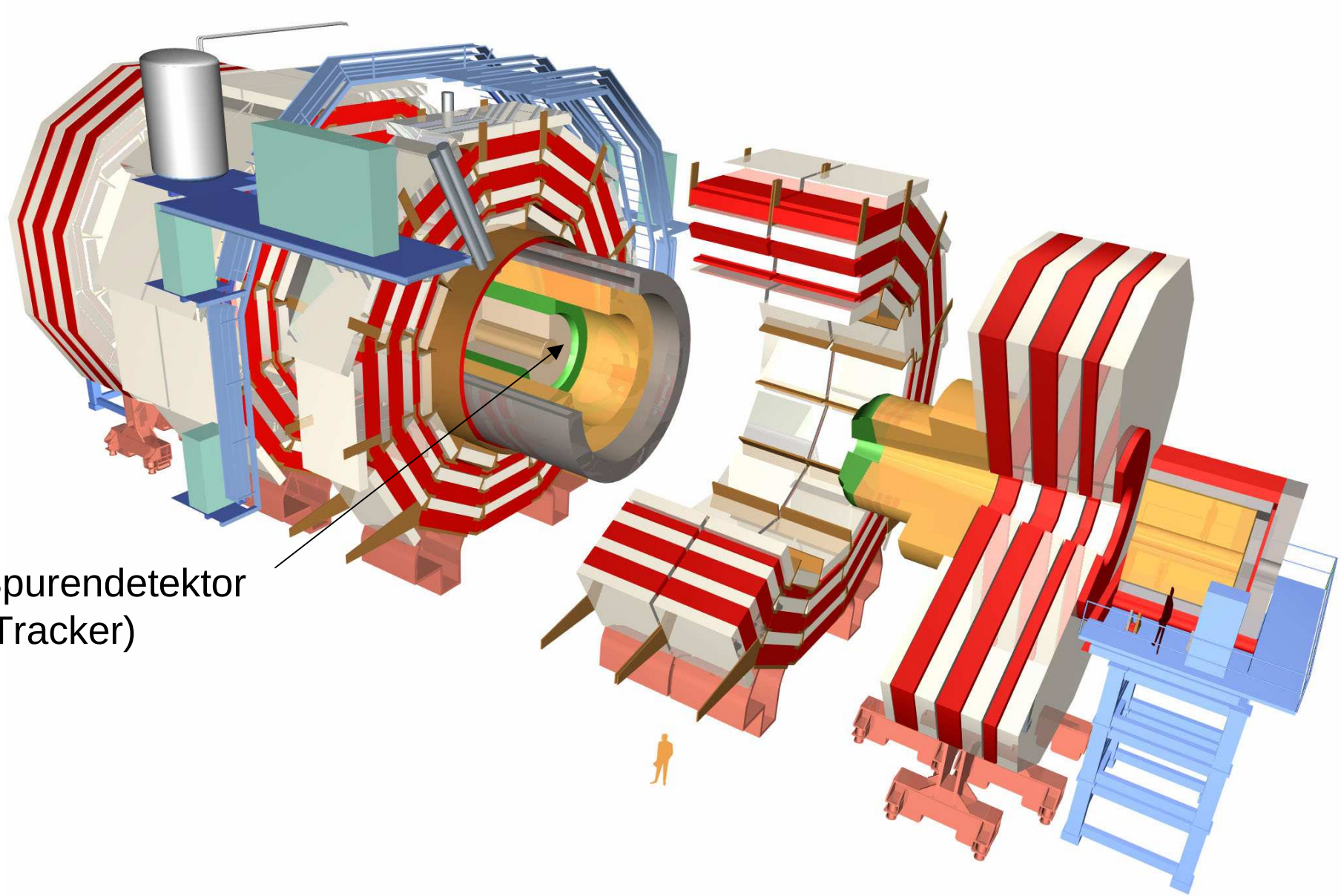
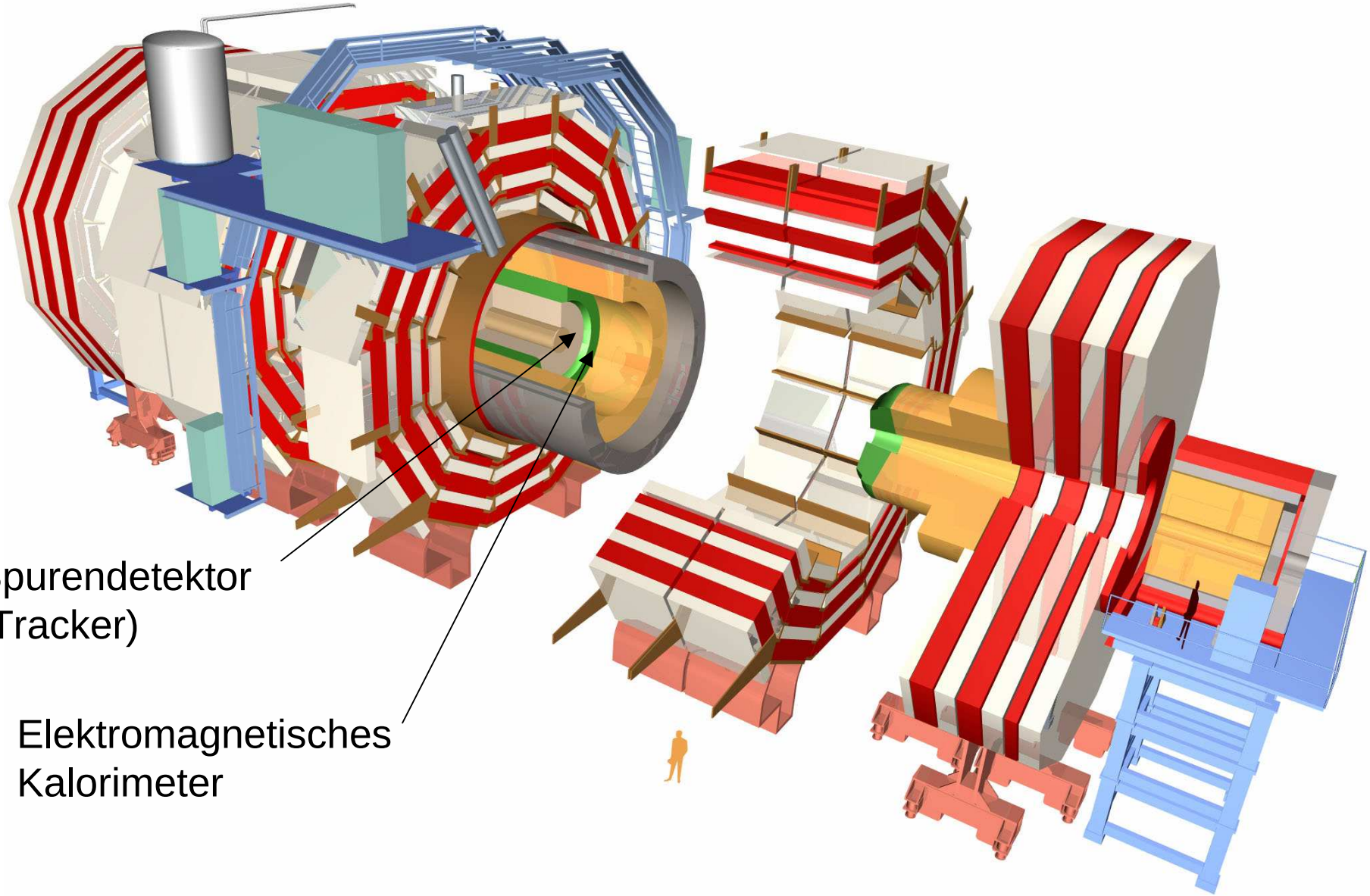



Spurendetektor
(Tracker)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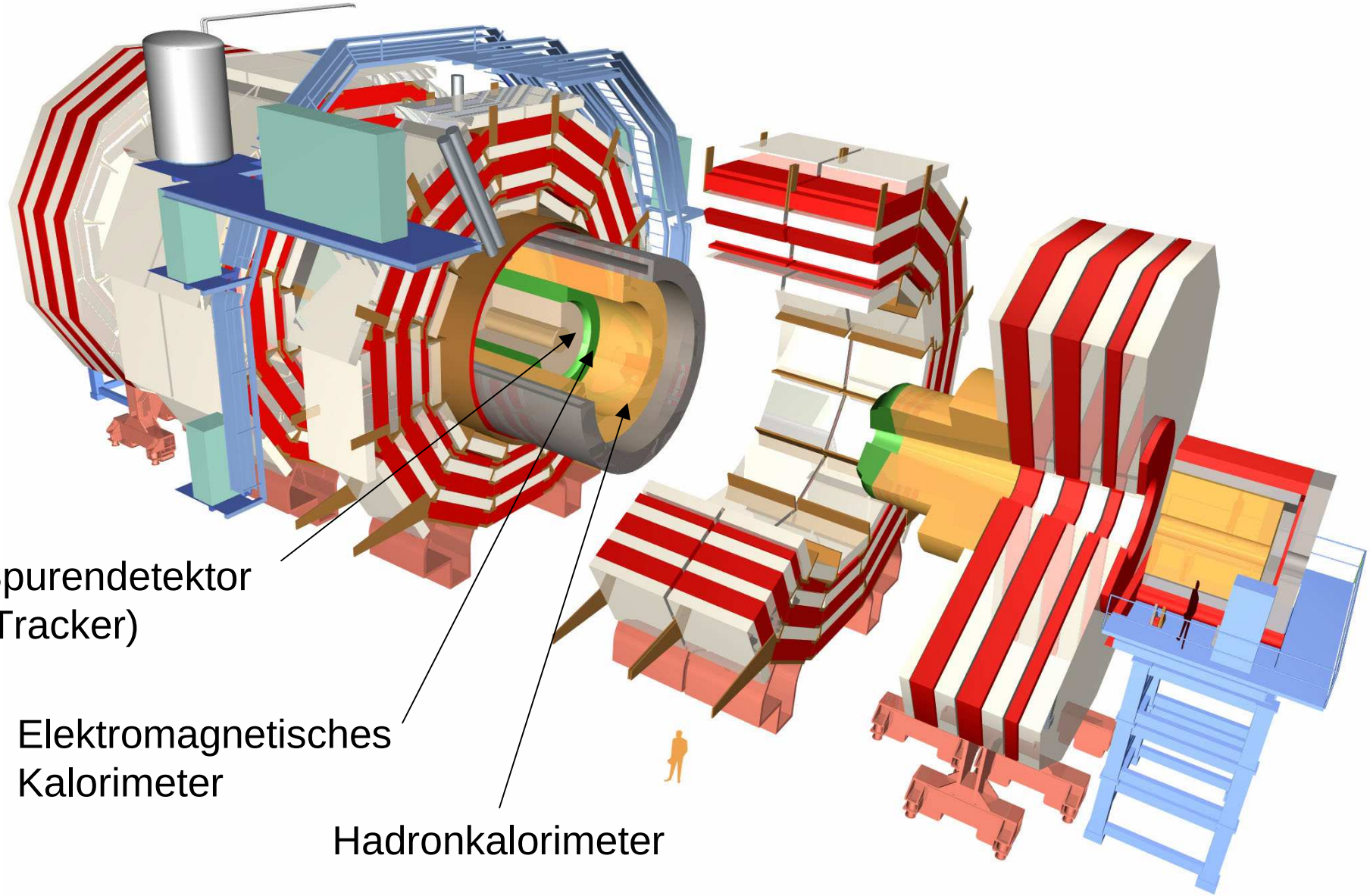
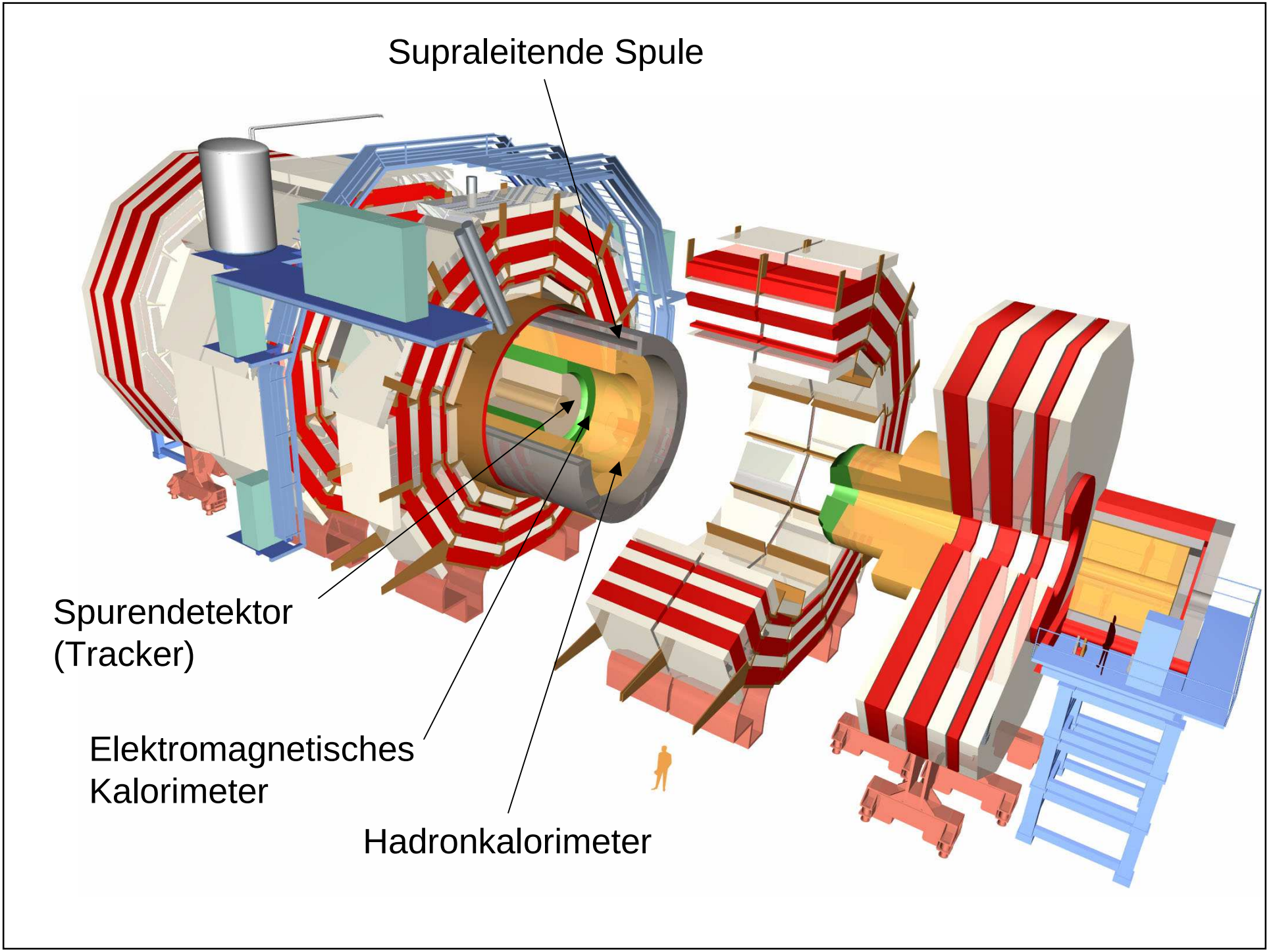
(Tracker)
Elektromagnetisches
Kalorimeter


Spurendetektor
(Tracker)
Elektromagnetisches
Kalorimeter
Hadronkalorimeter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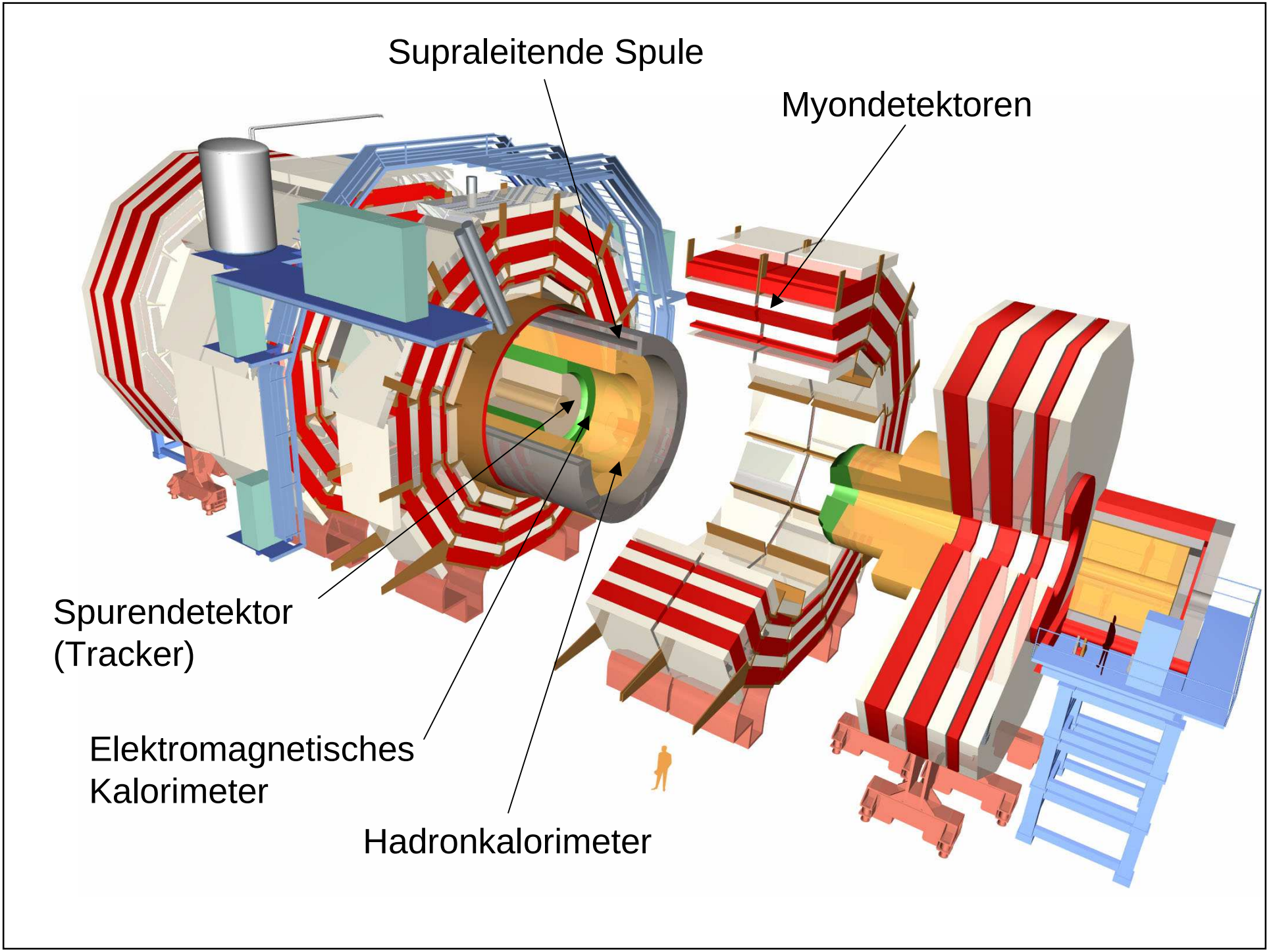
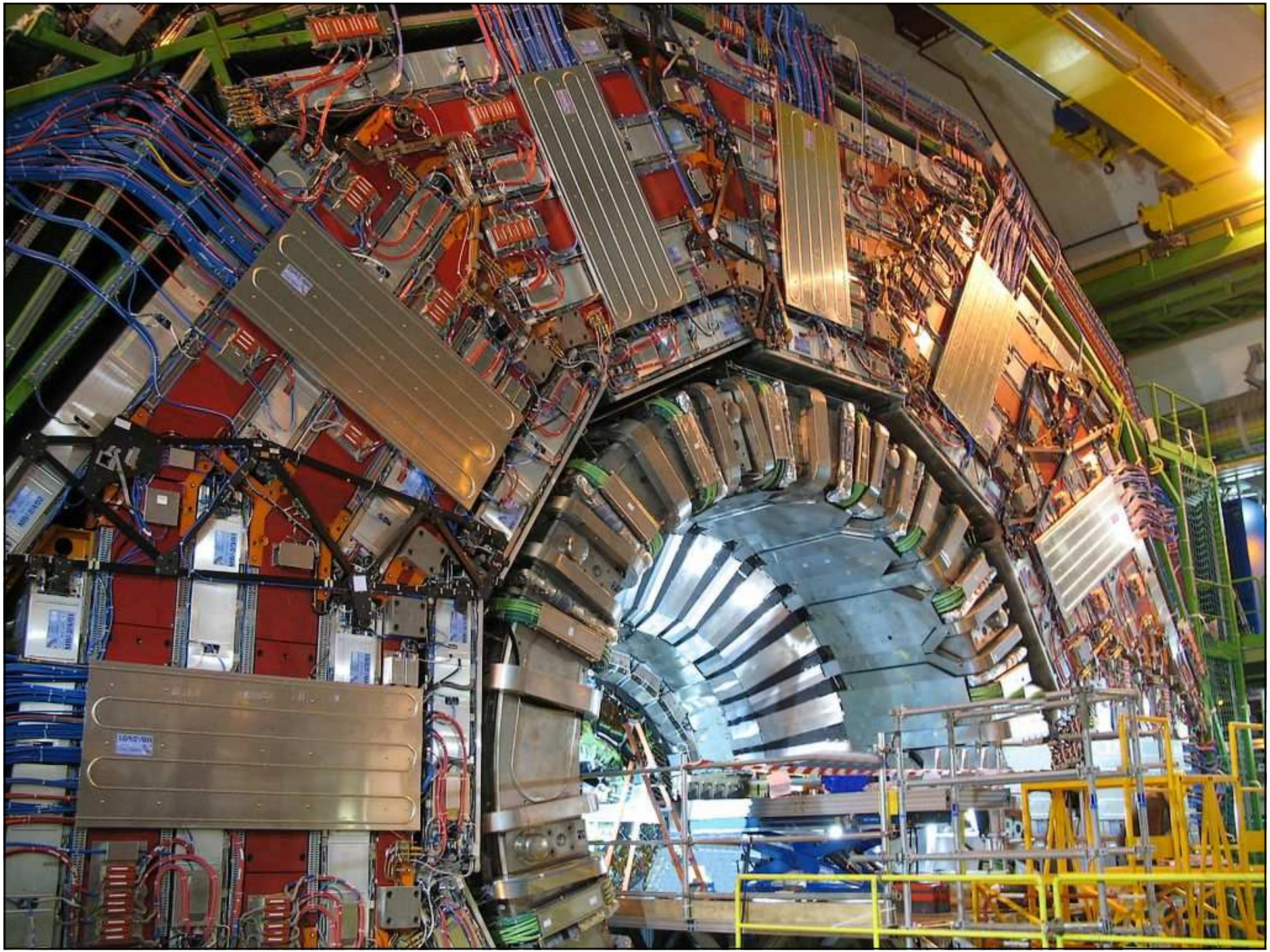
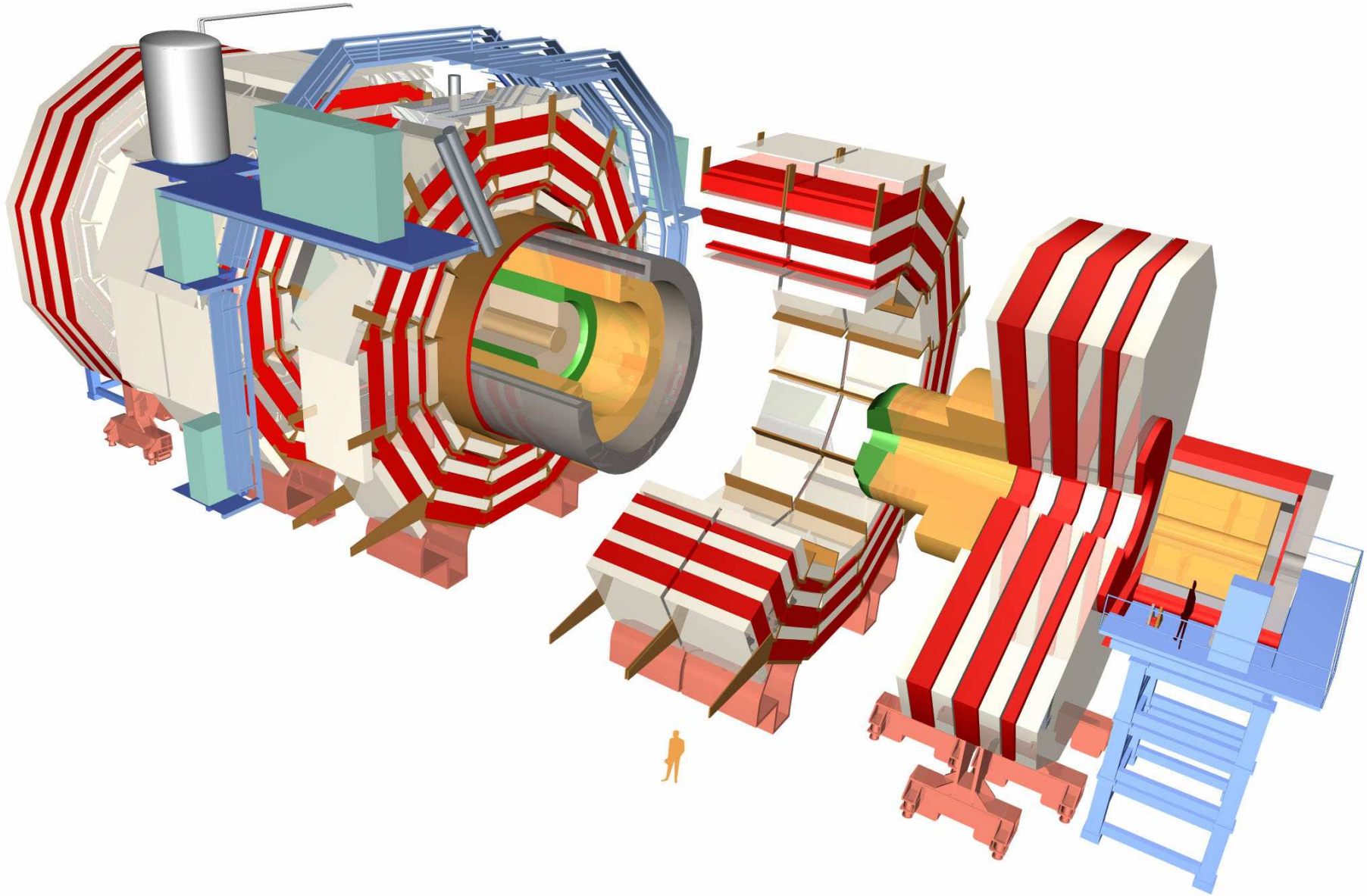
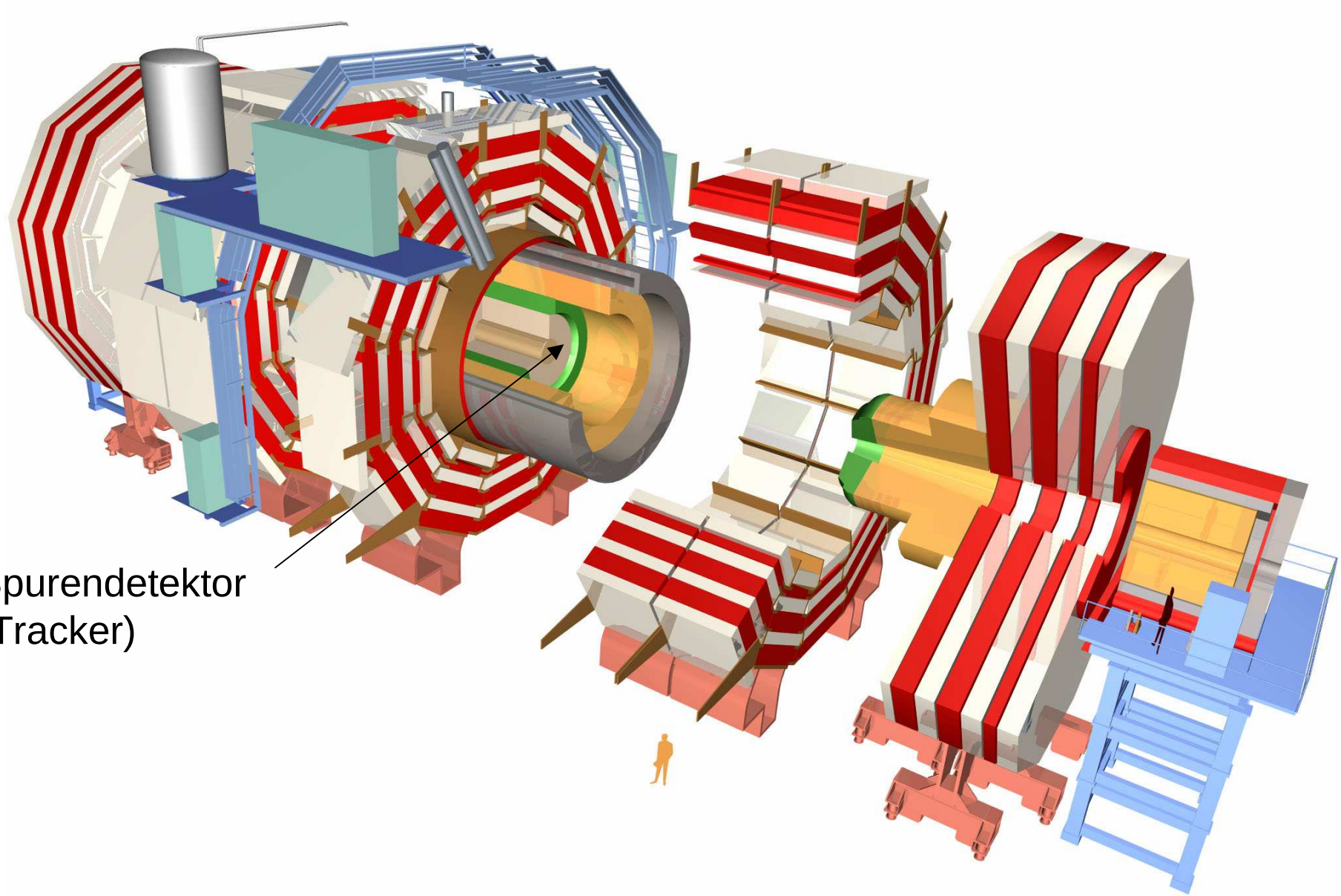
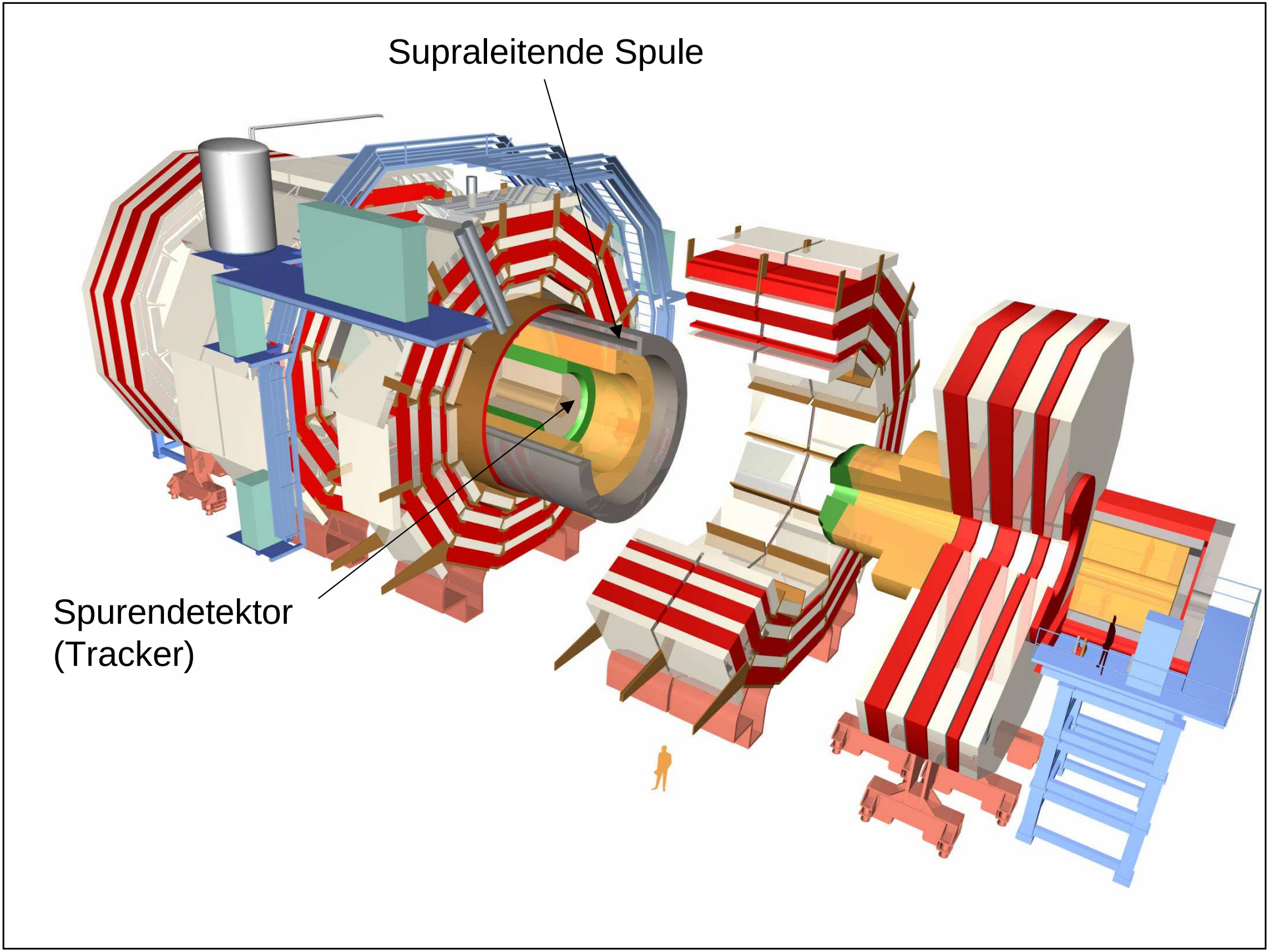
Spurendetektor
(Tracker)
Elektromagnetisches
Kalorimeter
Hadronkalorimeter


Supraleitende Spule
Myondetektoren
Spurendetektor
(Tracker)
Elektromagnetisches
Kalorimeter
Hadronkalorimeter






Spurendetektor
(Tracker)


Supraleitende Spule
Spurendetektor
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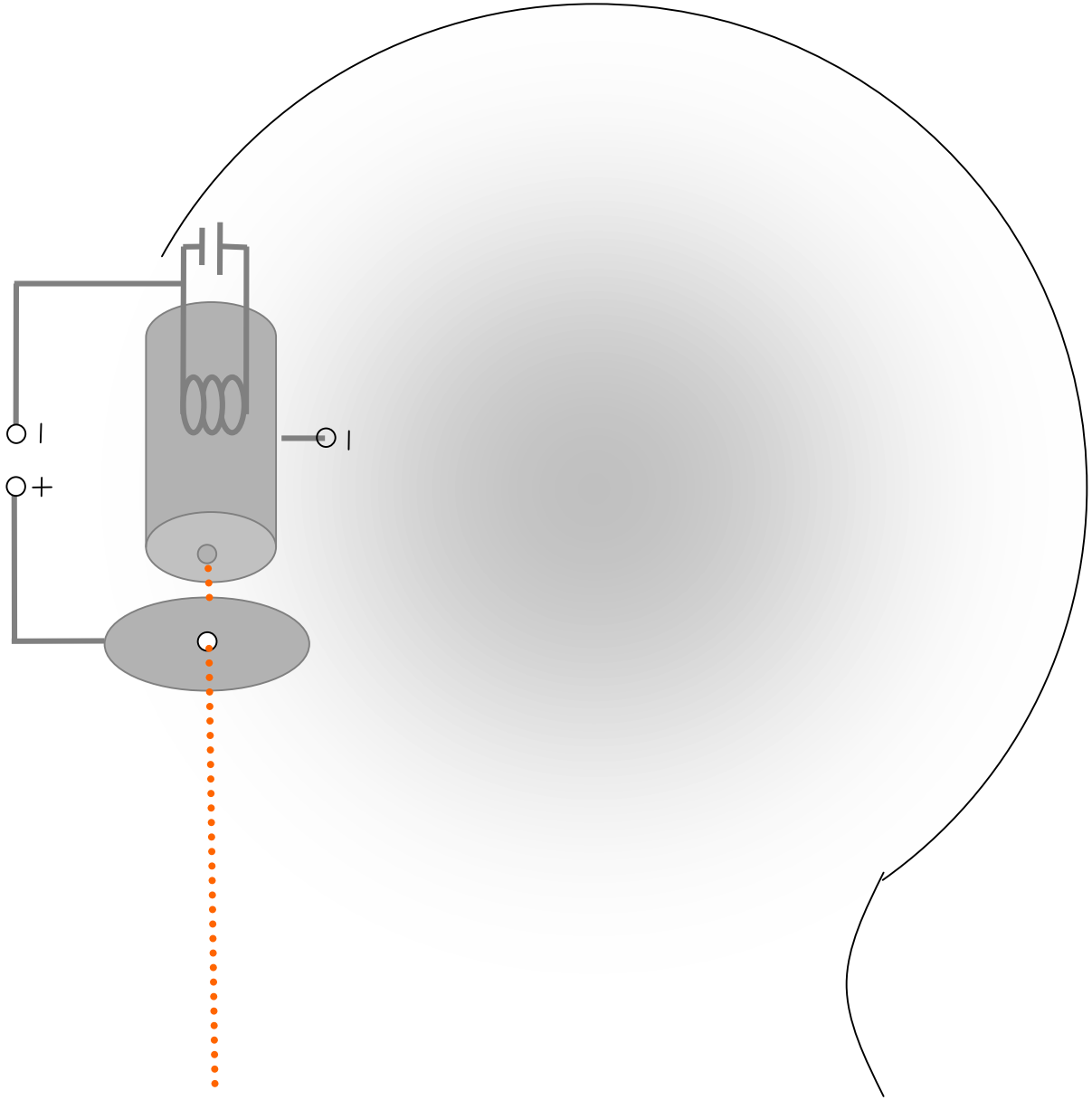
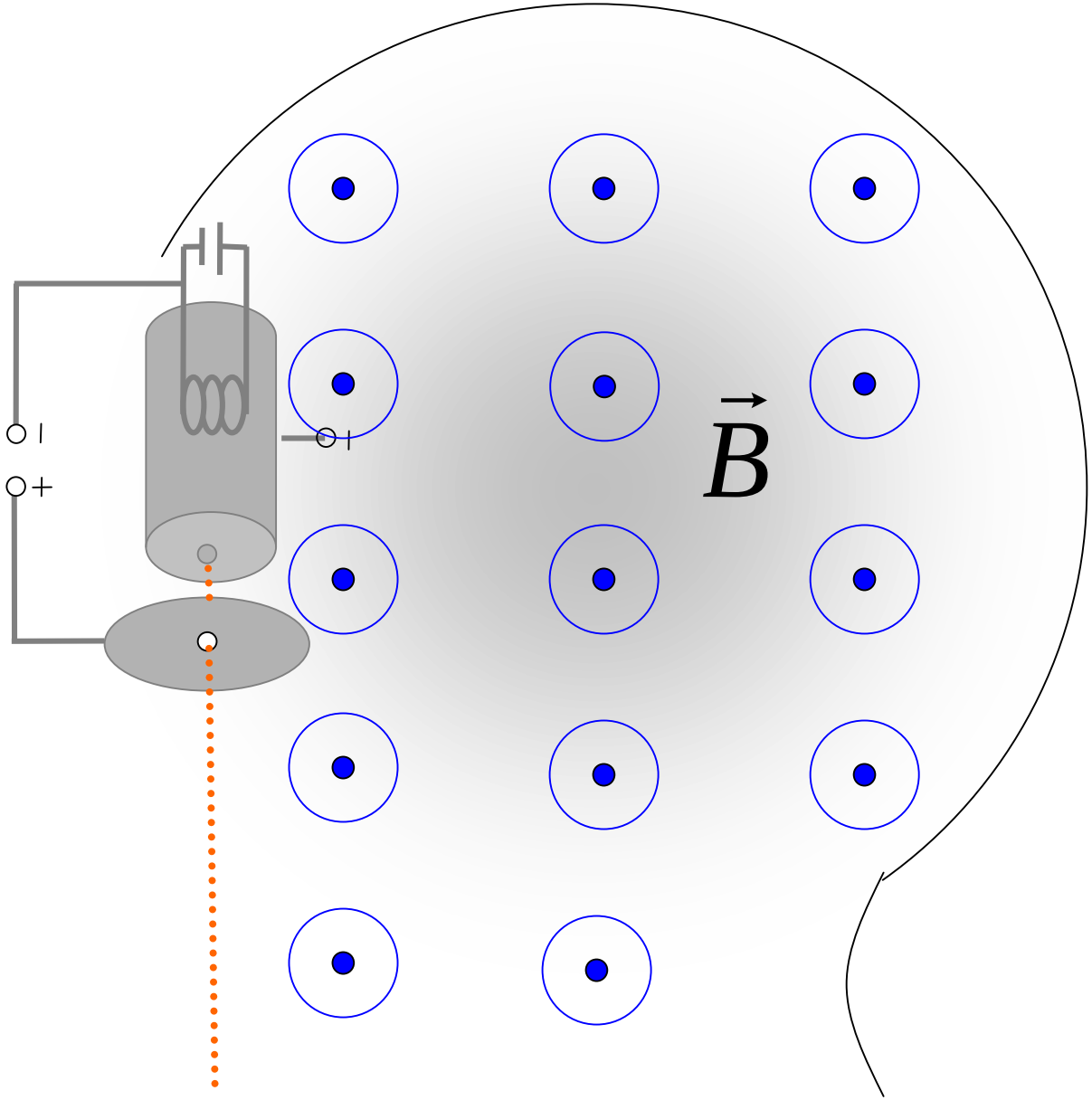
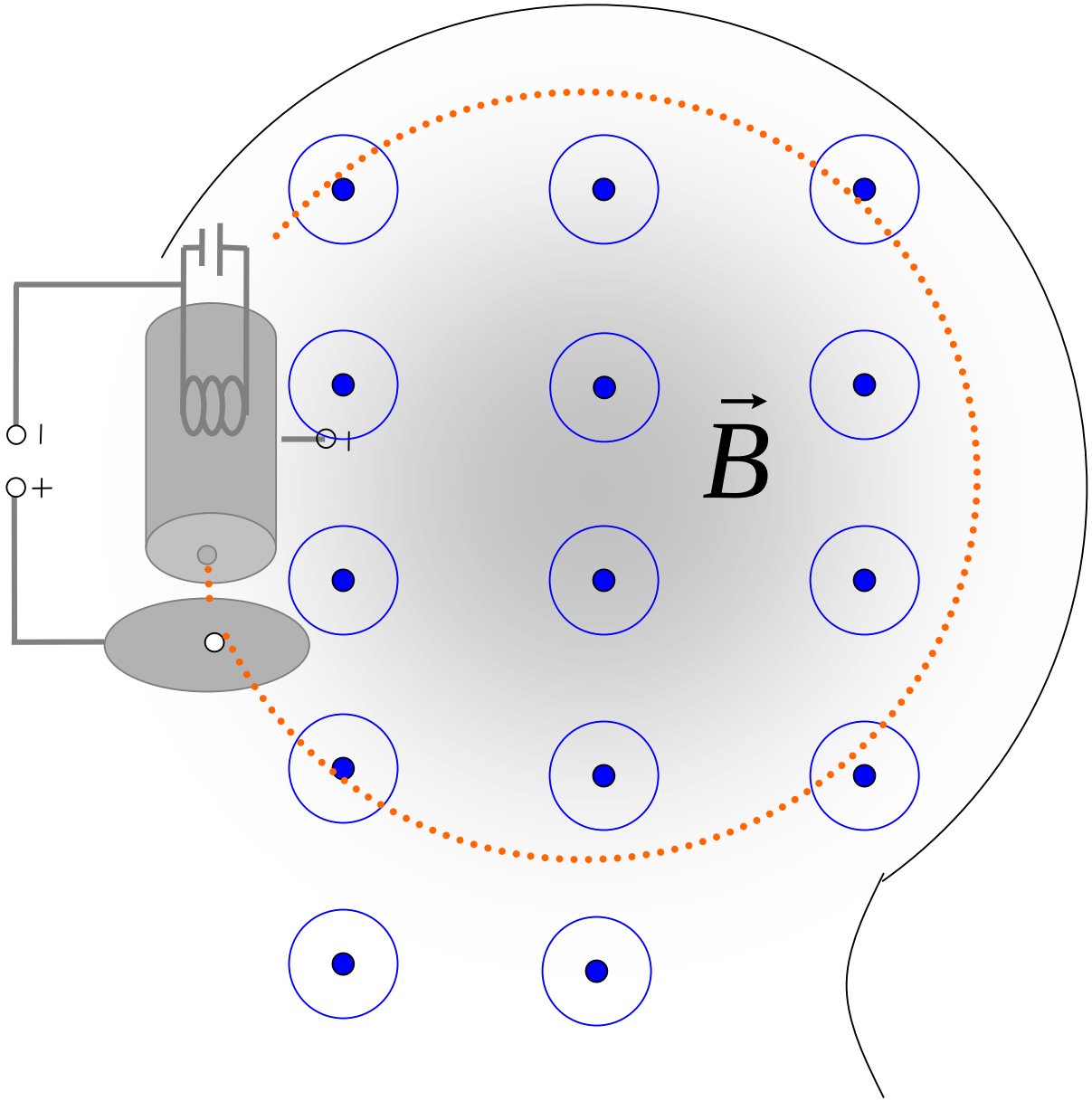
Fadenstrahlröhre



Fadenstrahlröhre



Fadenstrahlröhre



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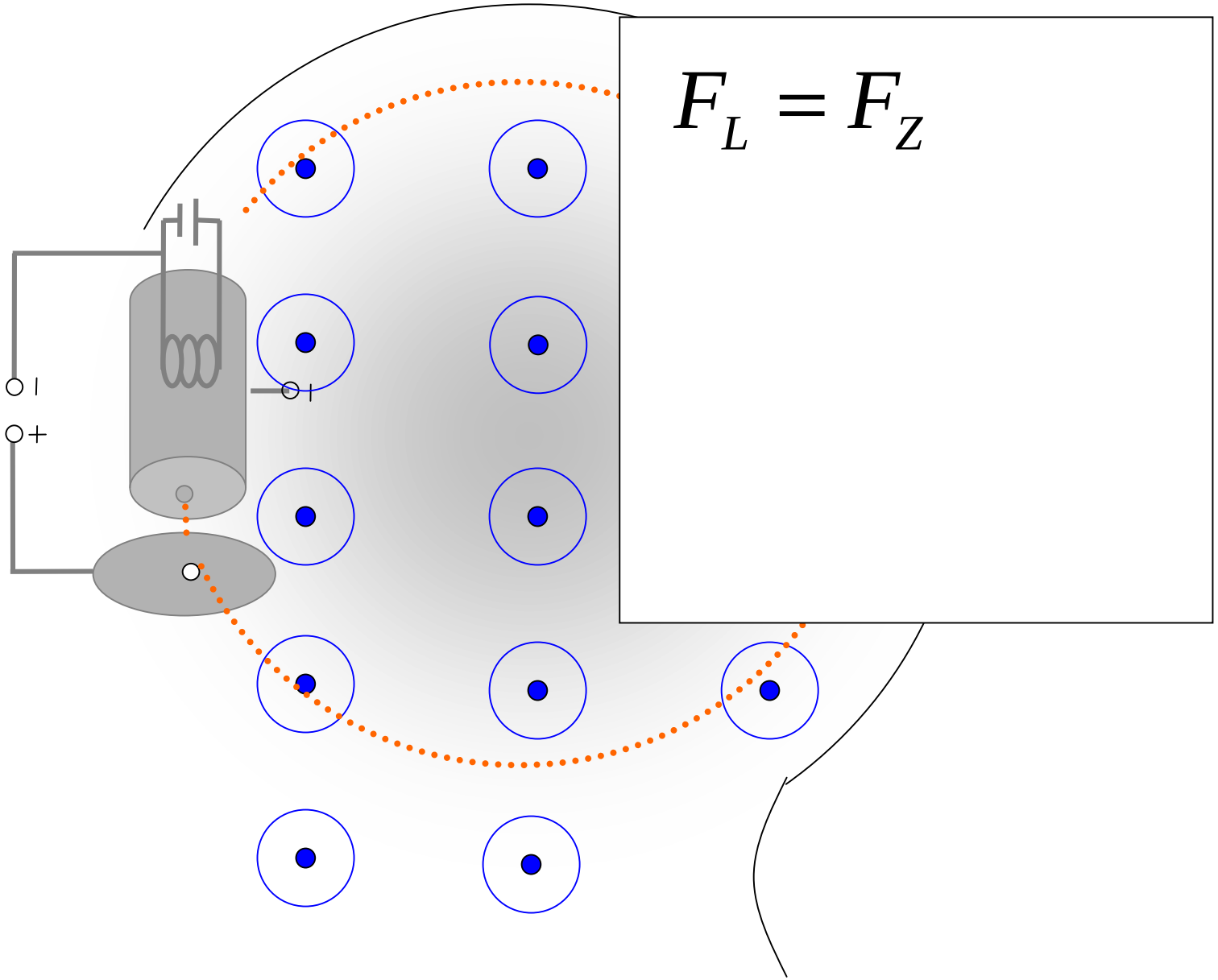

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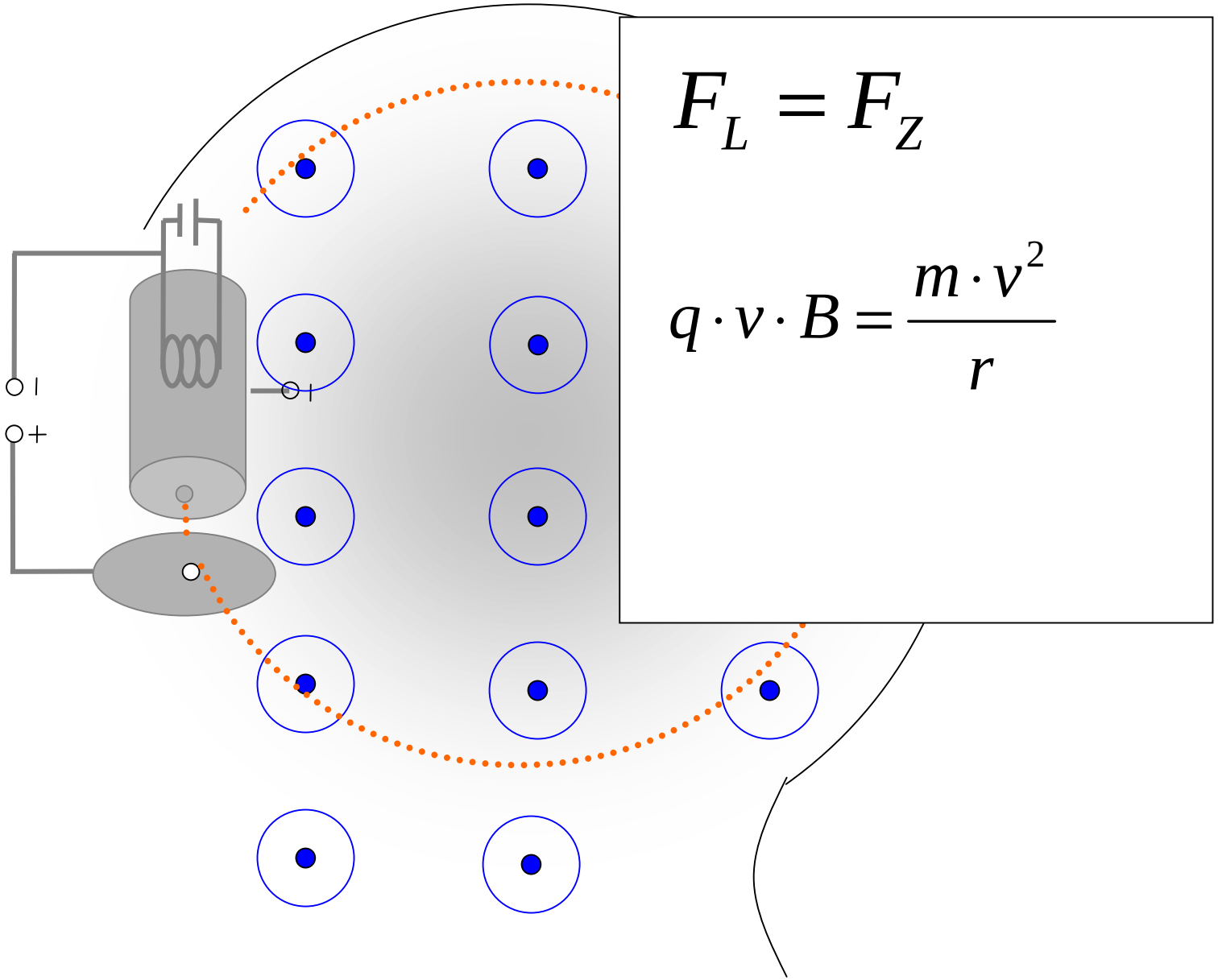
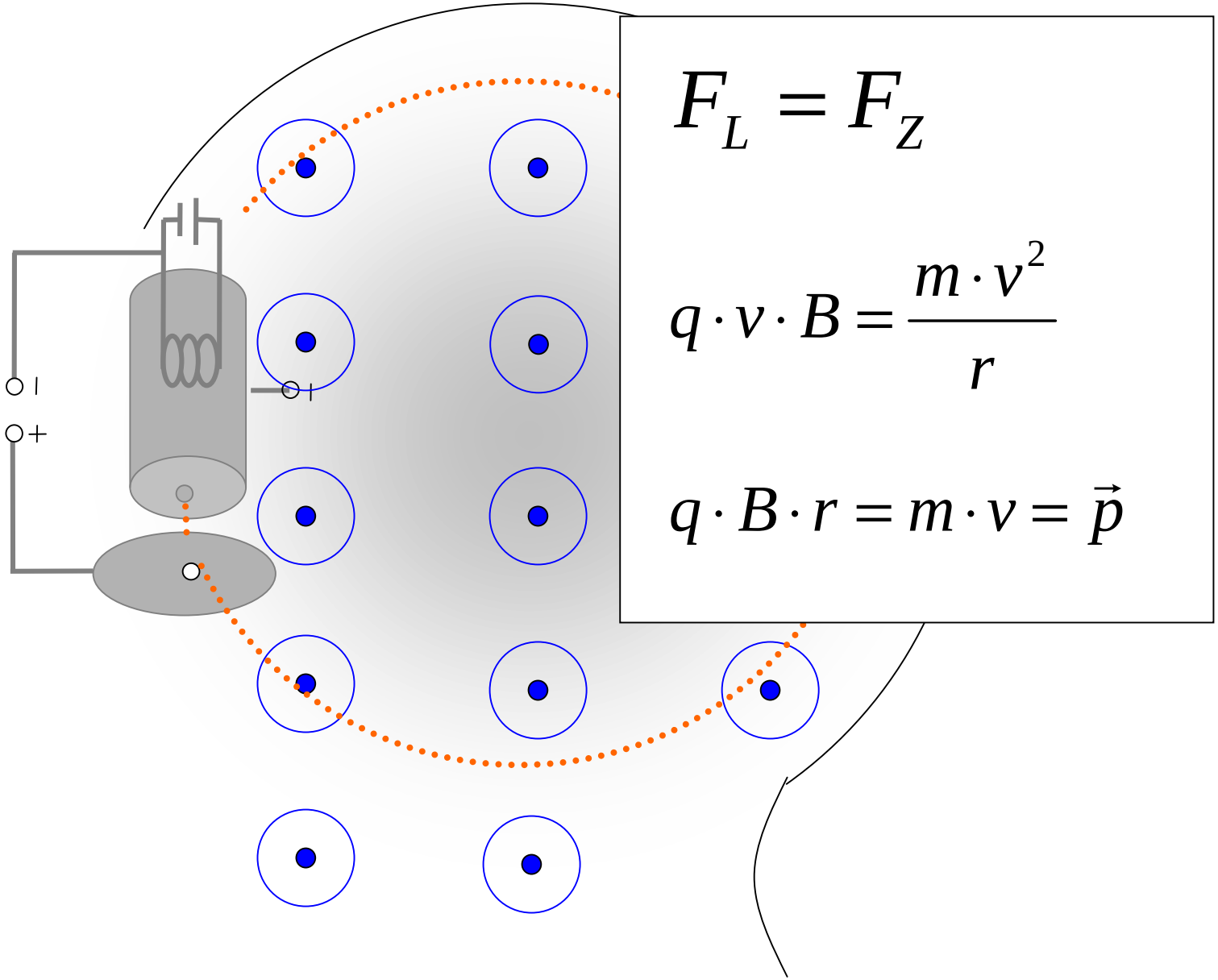


$$F_L = F_Z$$

$$q \cdot v \cdot B = \frac{m \cdot v^2}{r}$$

Fadenstrahlröhre

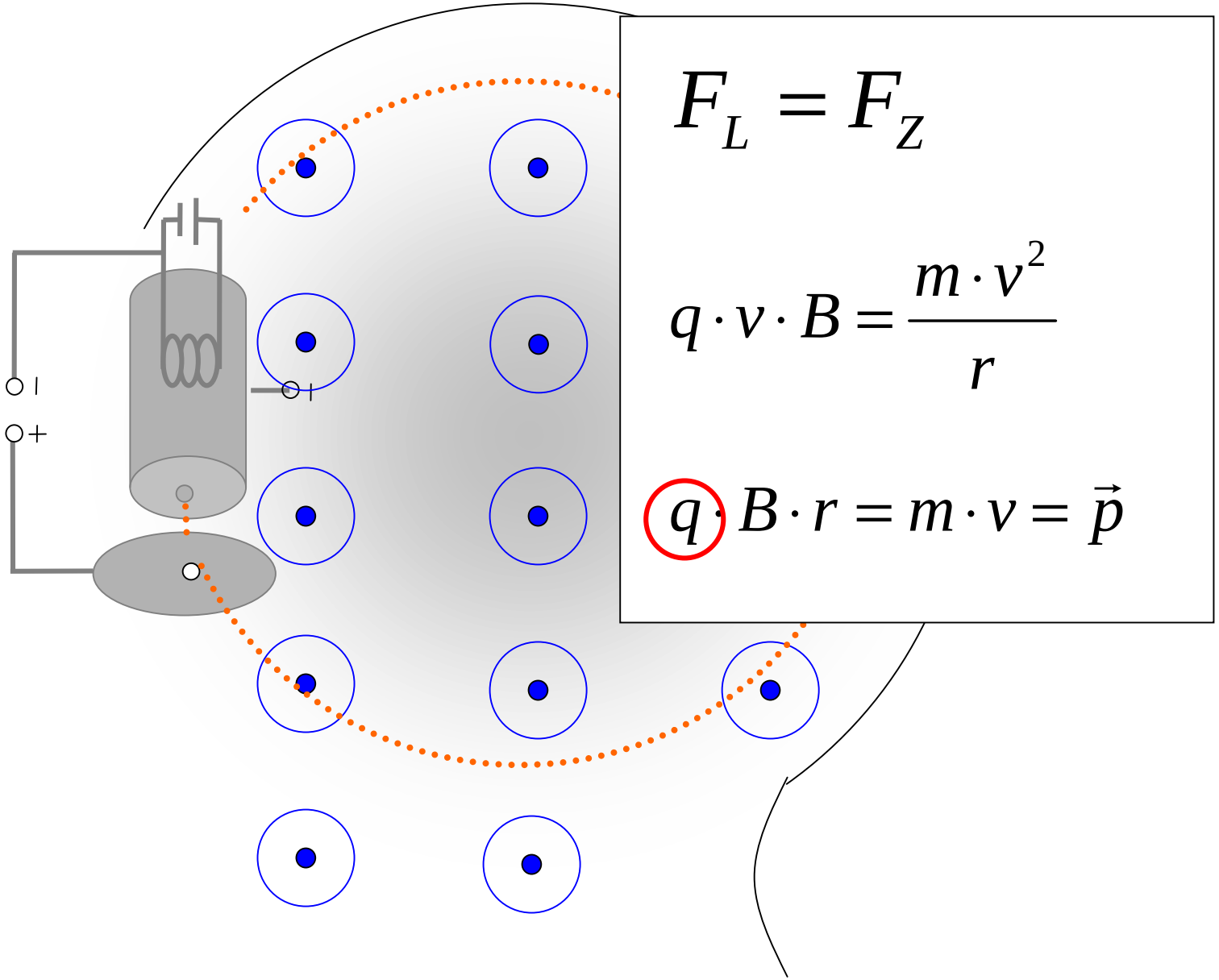


$$F_L = F_Z$$

$$q \cdot v \cdot B = \frac{m \cdot v^2}{r}$$

$$q \cdot B \cdot r = m \cdot v = \vec{p}$$

Fadenstrahlröhre



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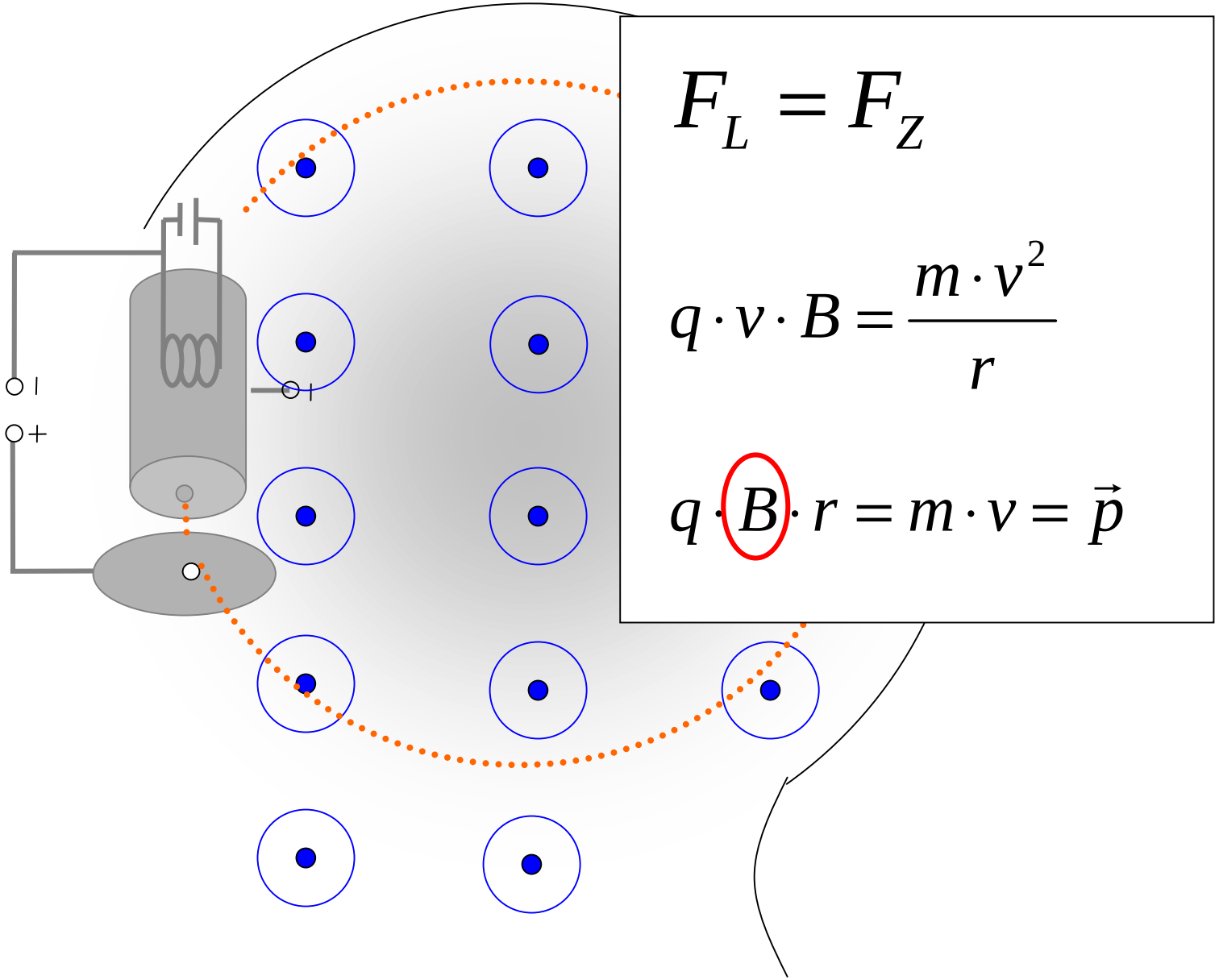
Fadenstrahlröhre



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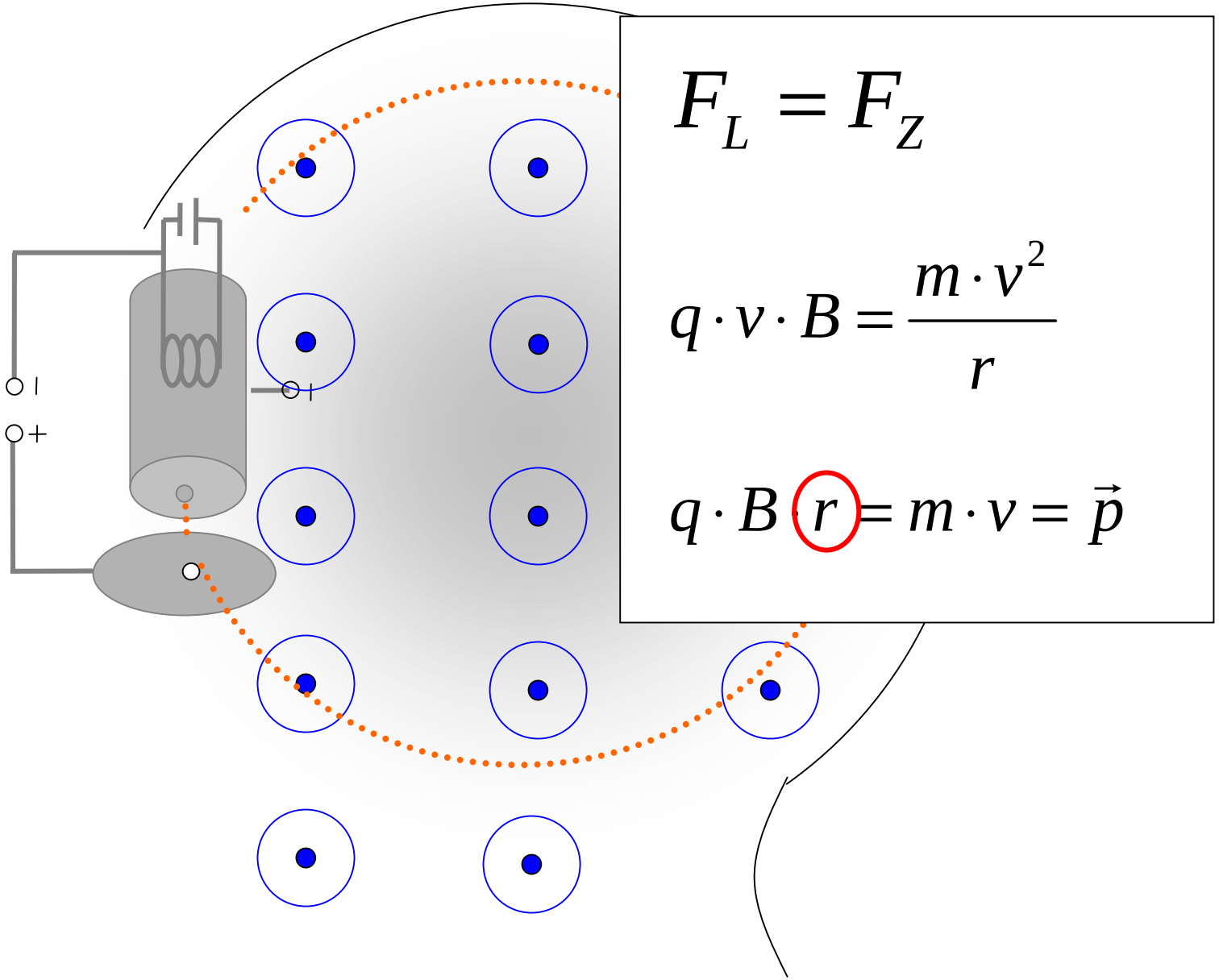
Fadenstrahlröhre



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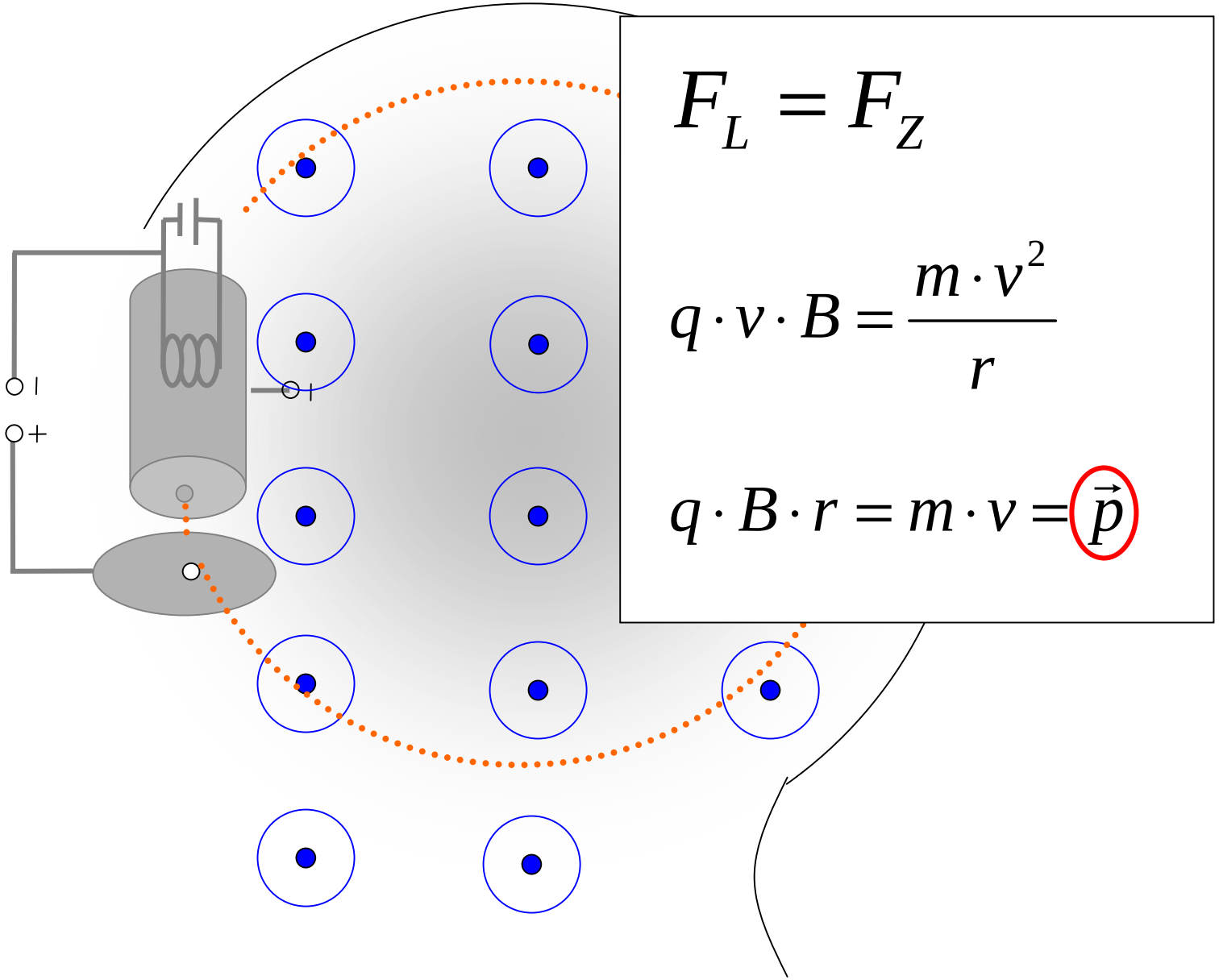
Fadenstrahlröhre

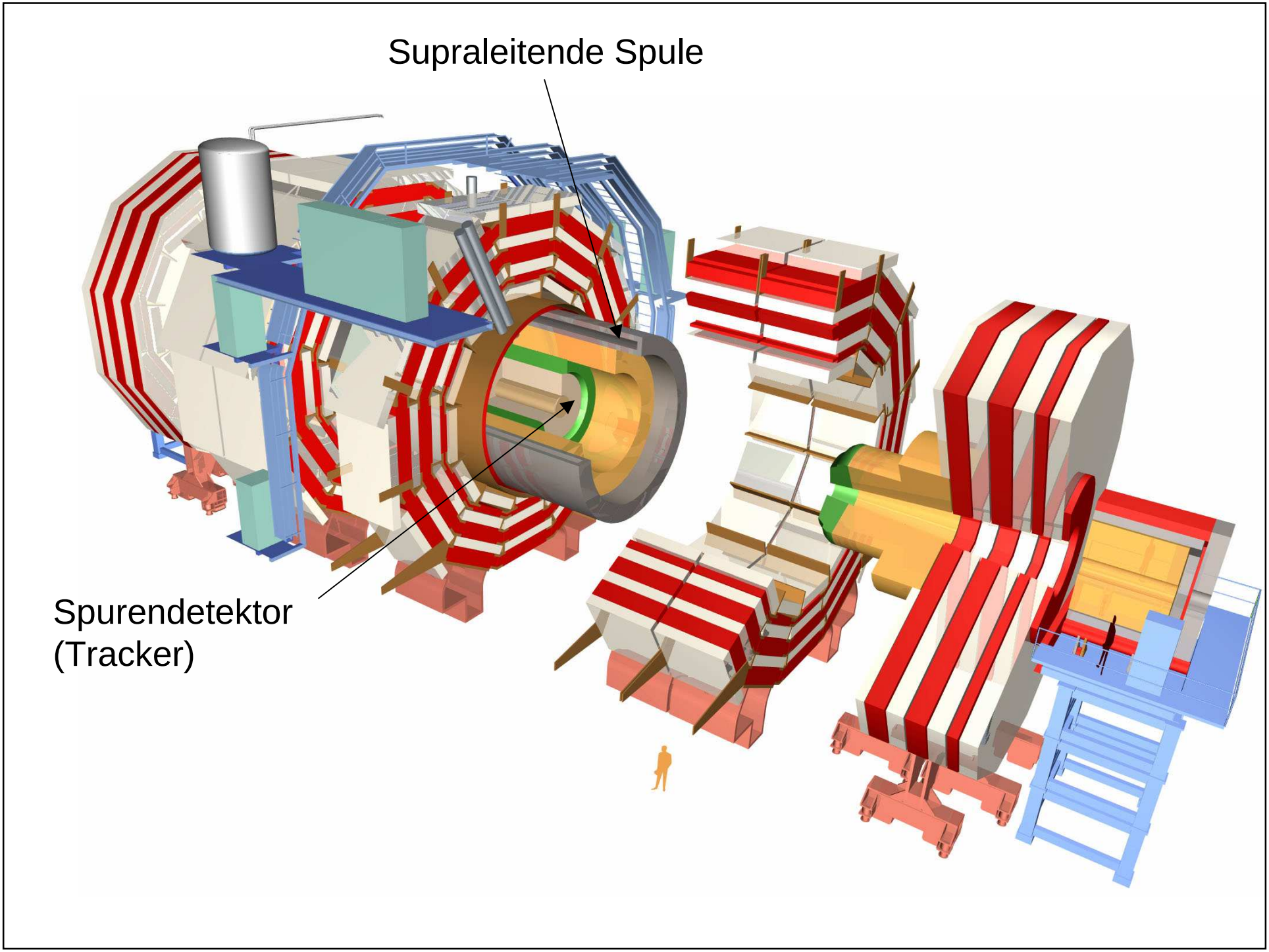


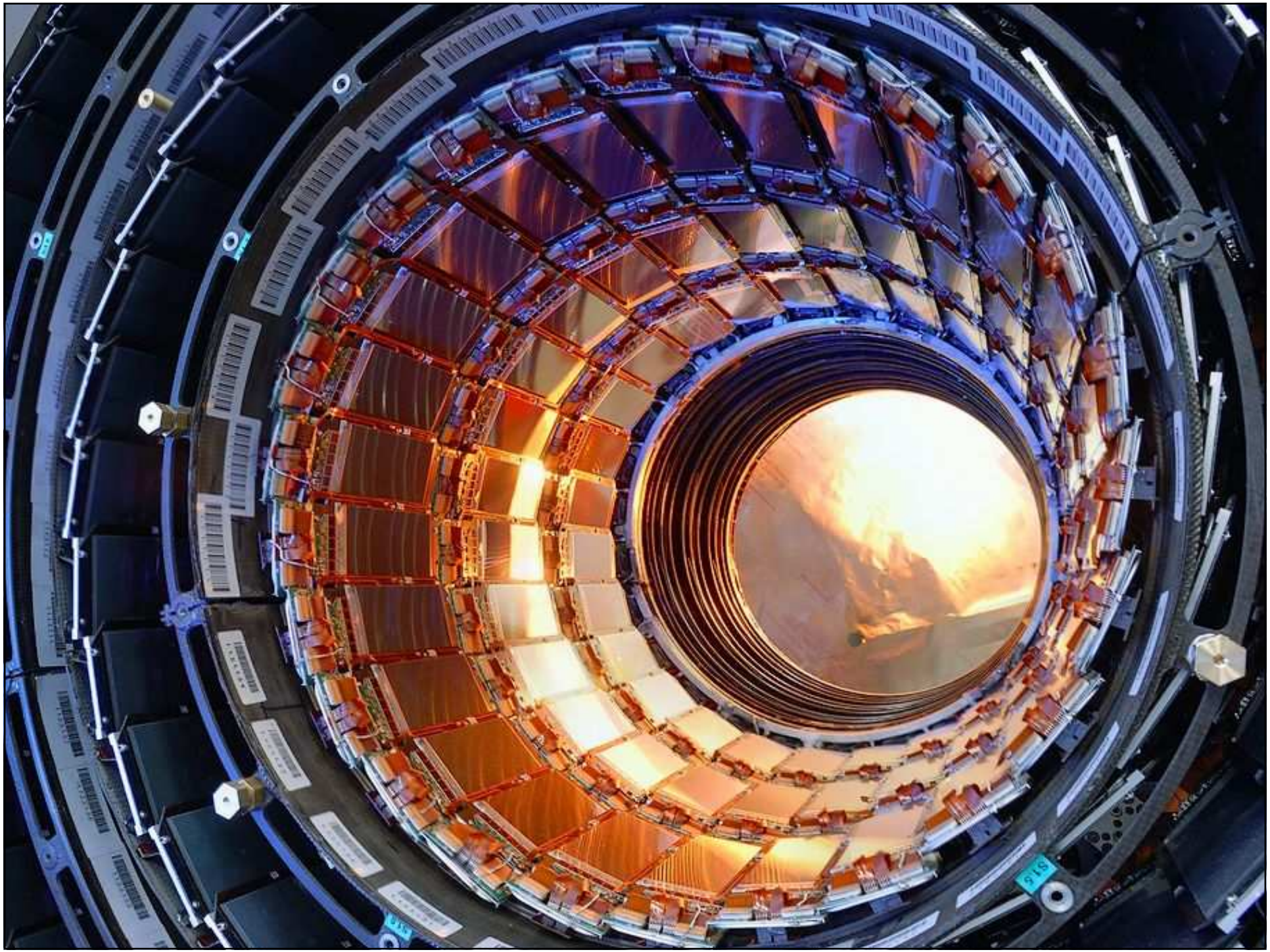
$$F_L = F_Z$$

$$q \cdot v \cdot B = \frac{m \cdot v^2}{r}$$

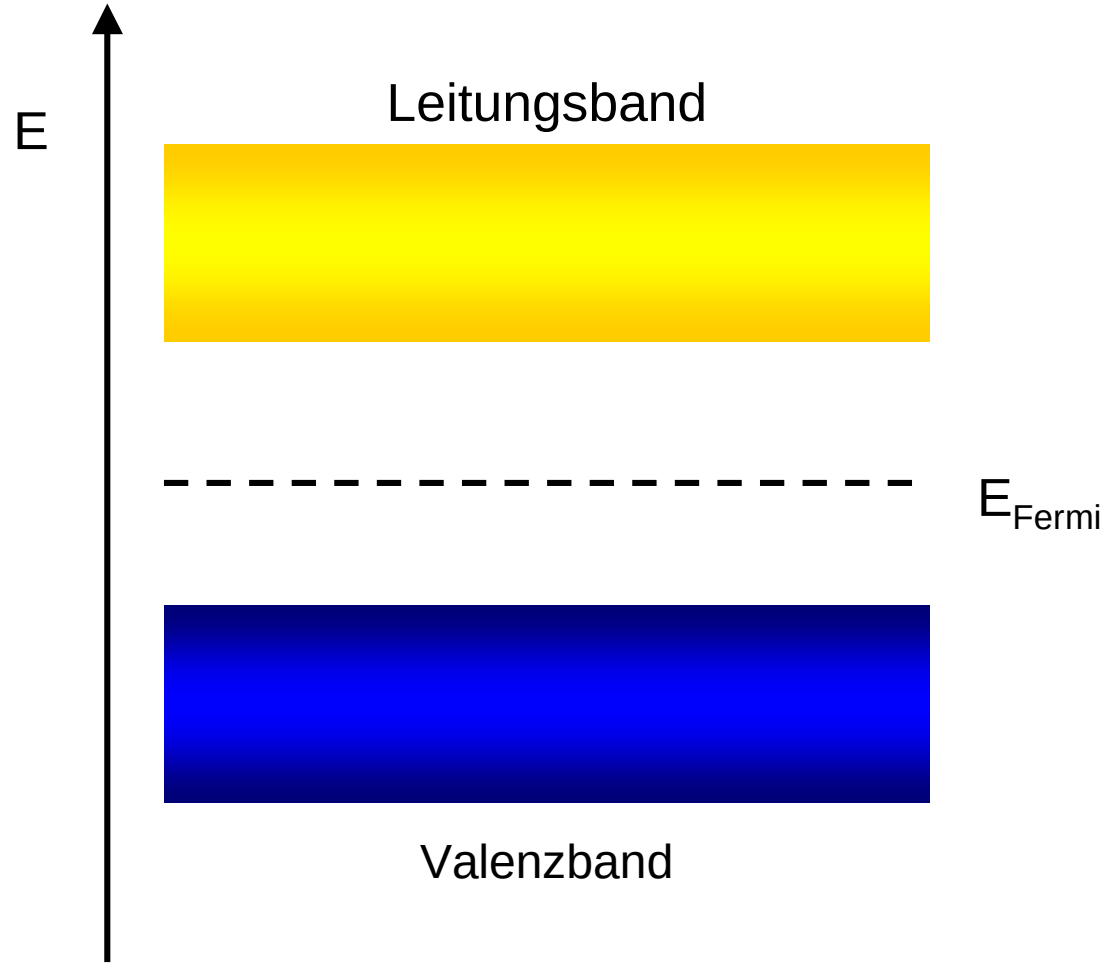
$$q \cdot B \cdot r = m \cdot v = \vec{p}$$


Helmholtz-Spulen


Supraleitende Spule
Spurendetektor
(Tracker)



Halbleiterdetektor



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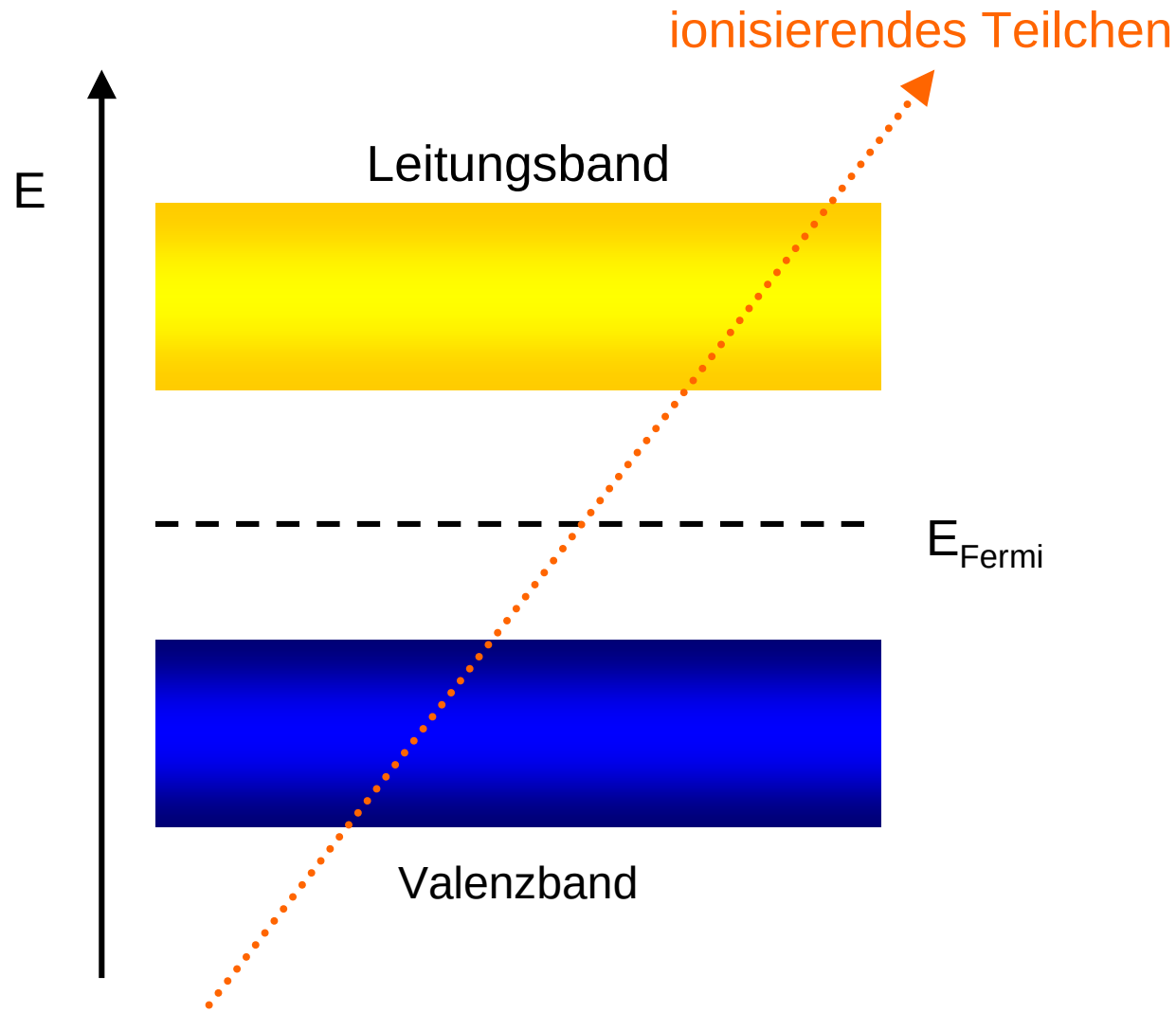

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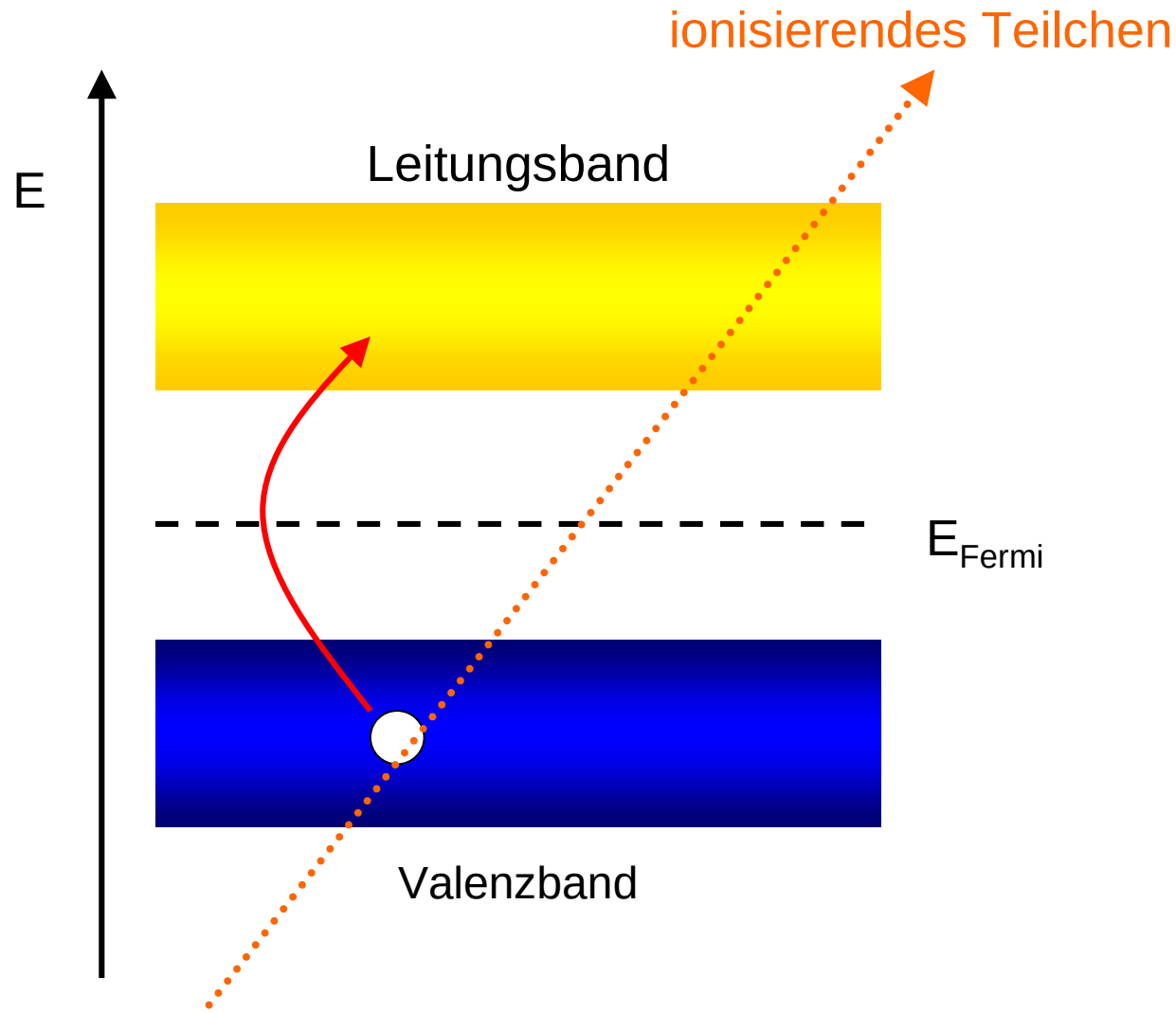

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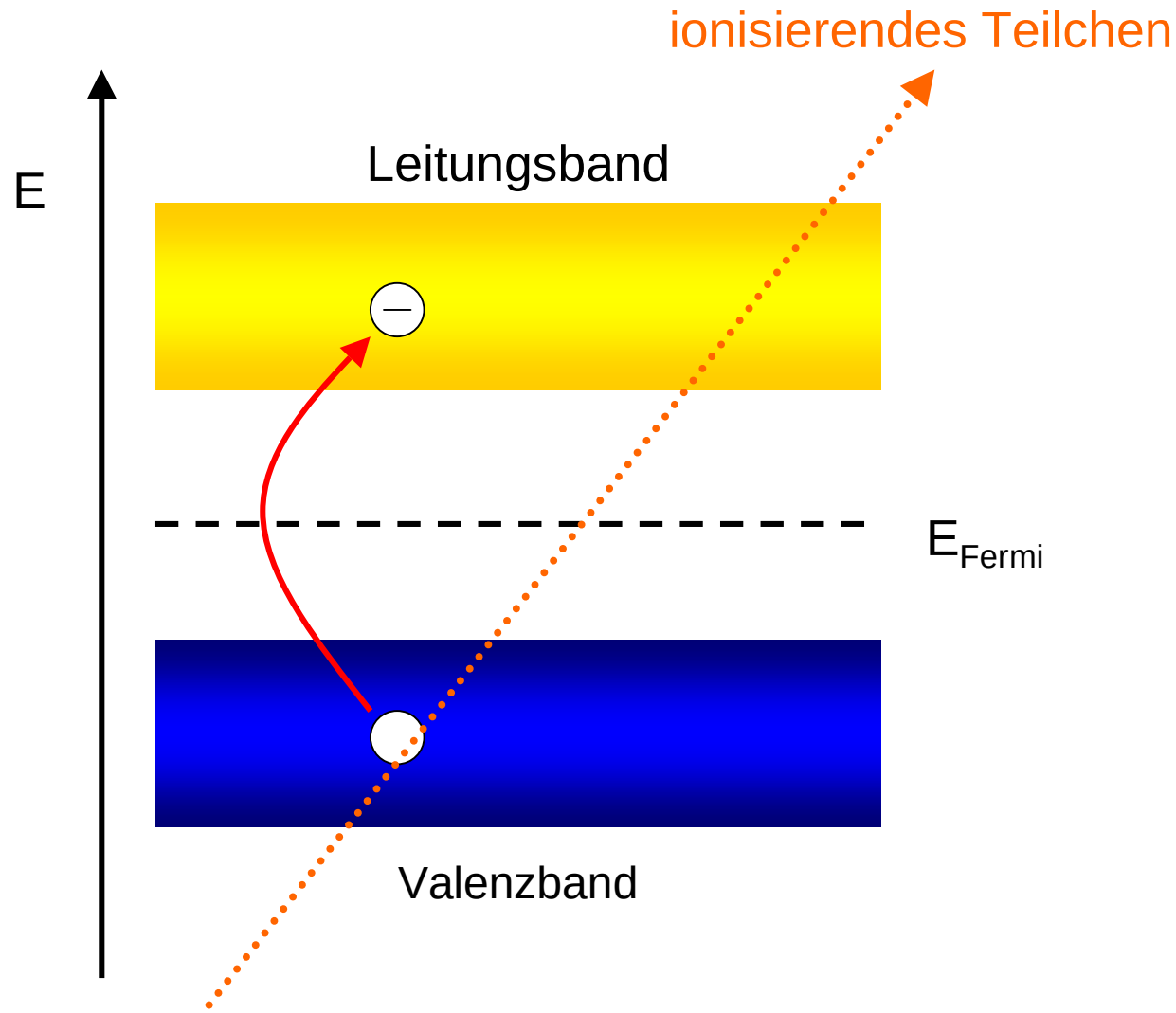

CMS-Spurendetektor