

Gamma-Radiography: State of the Art or Unjustified Activity?

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Content

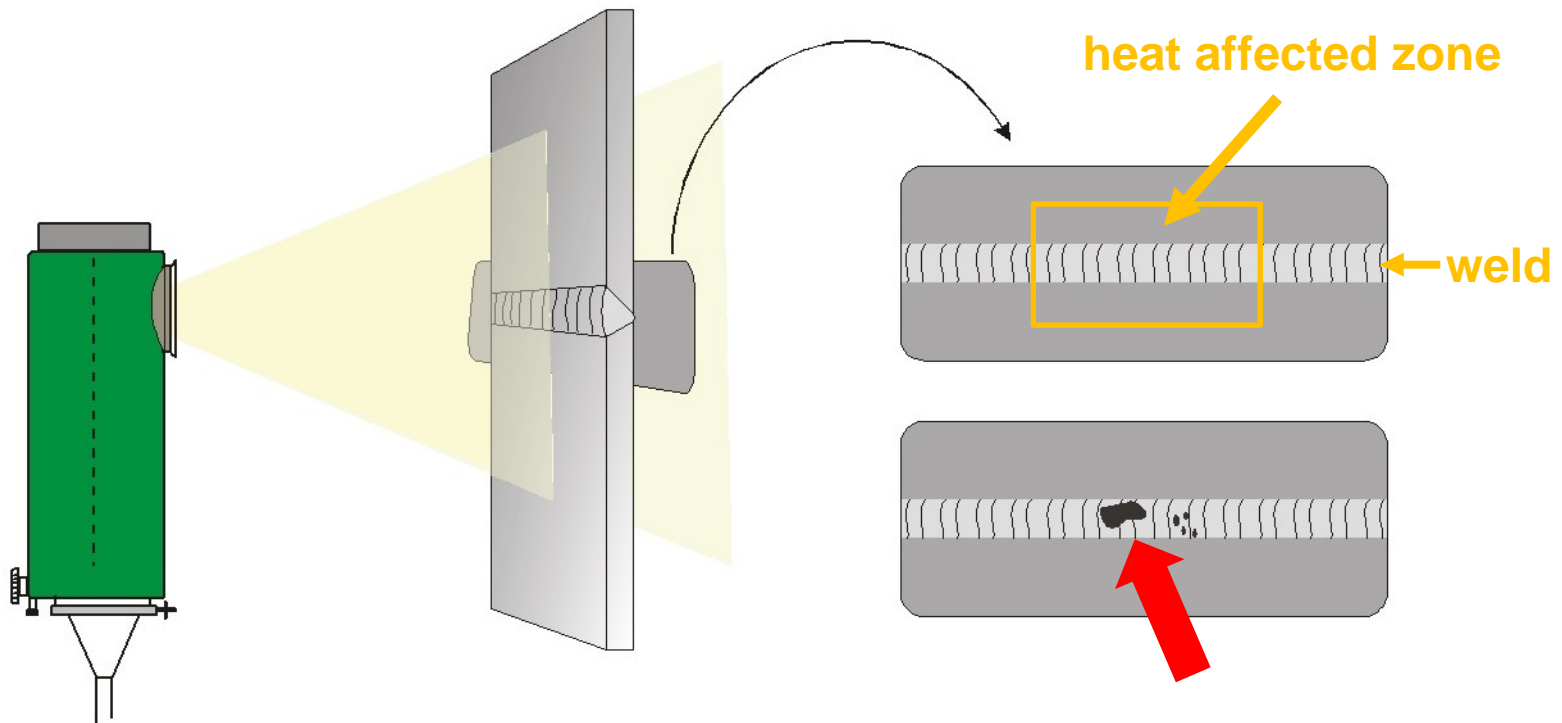
What?

Why?

Why not...?

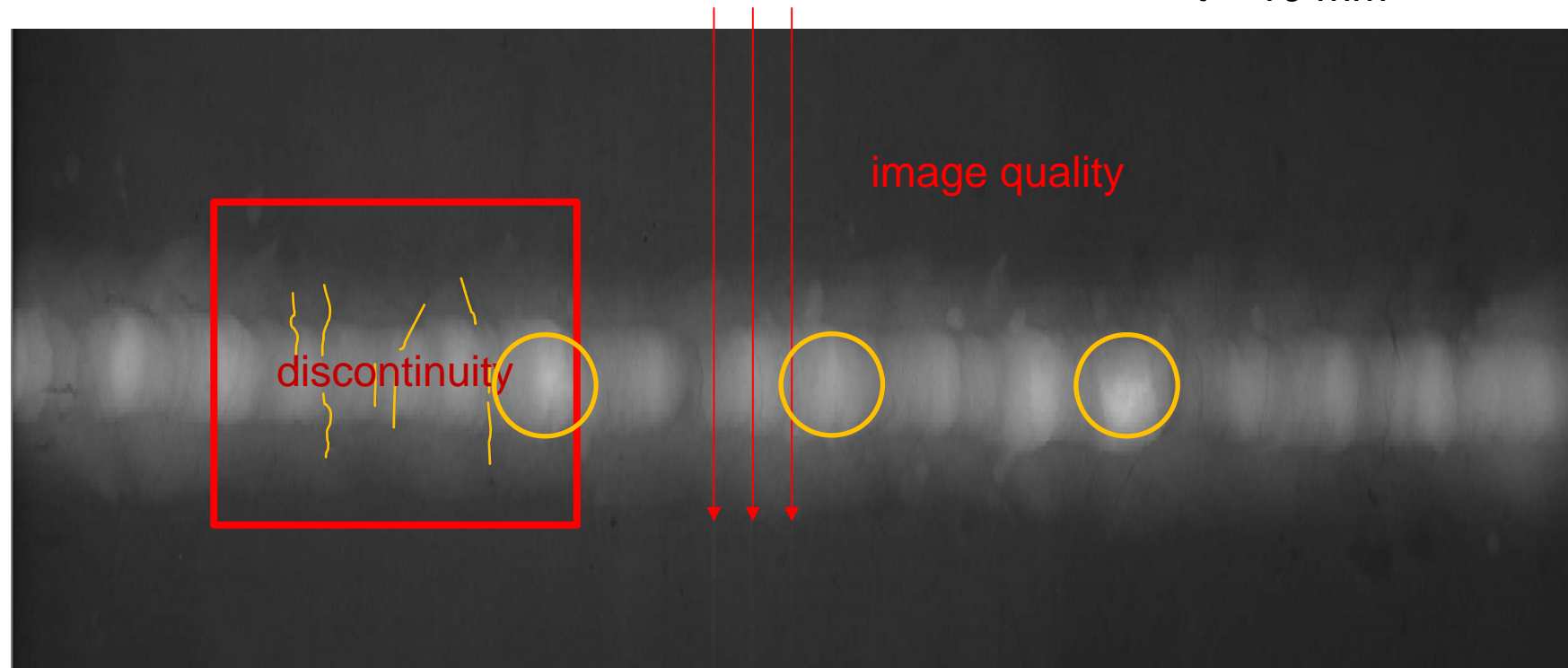
...Conclusion!

Radiography – X-Ray

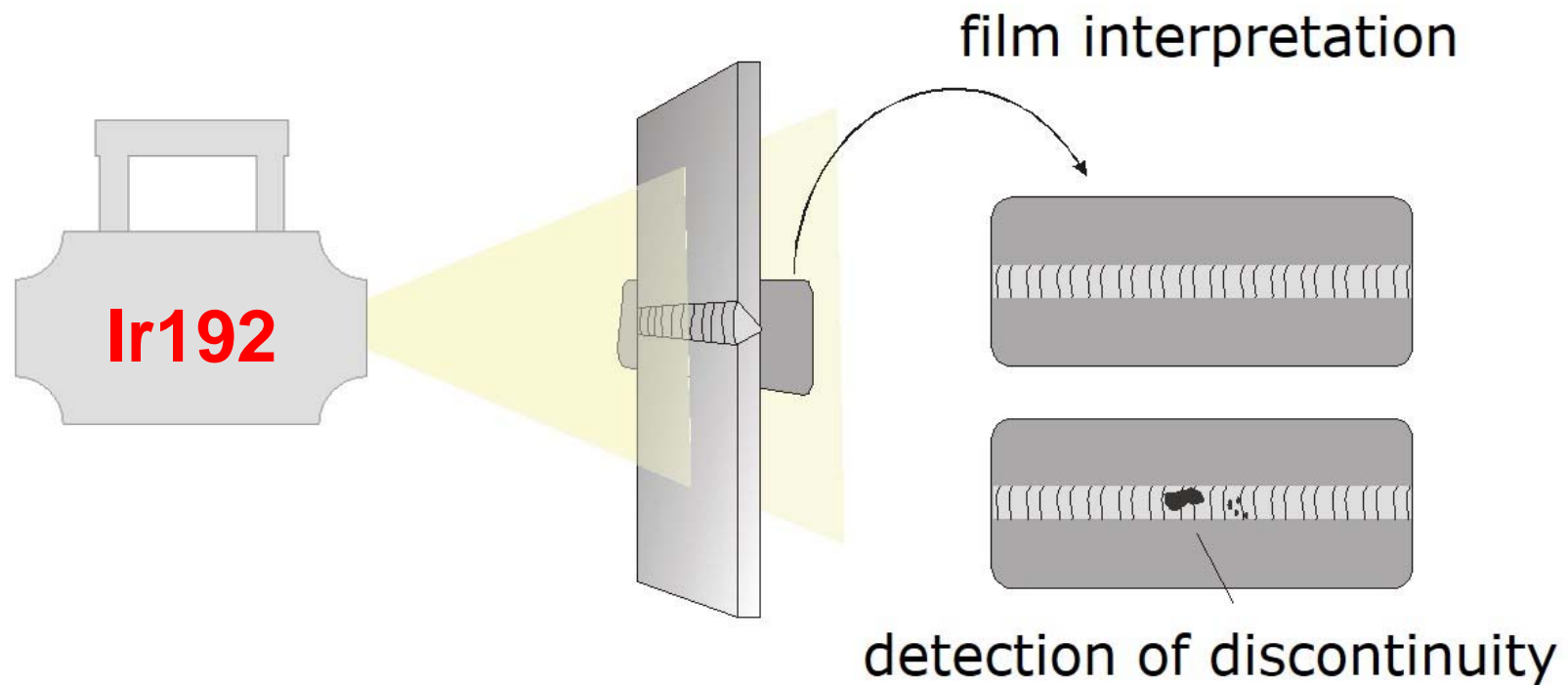


Radiography – X-Ray

400 kV
t = 10 mm



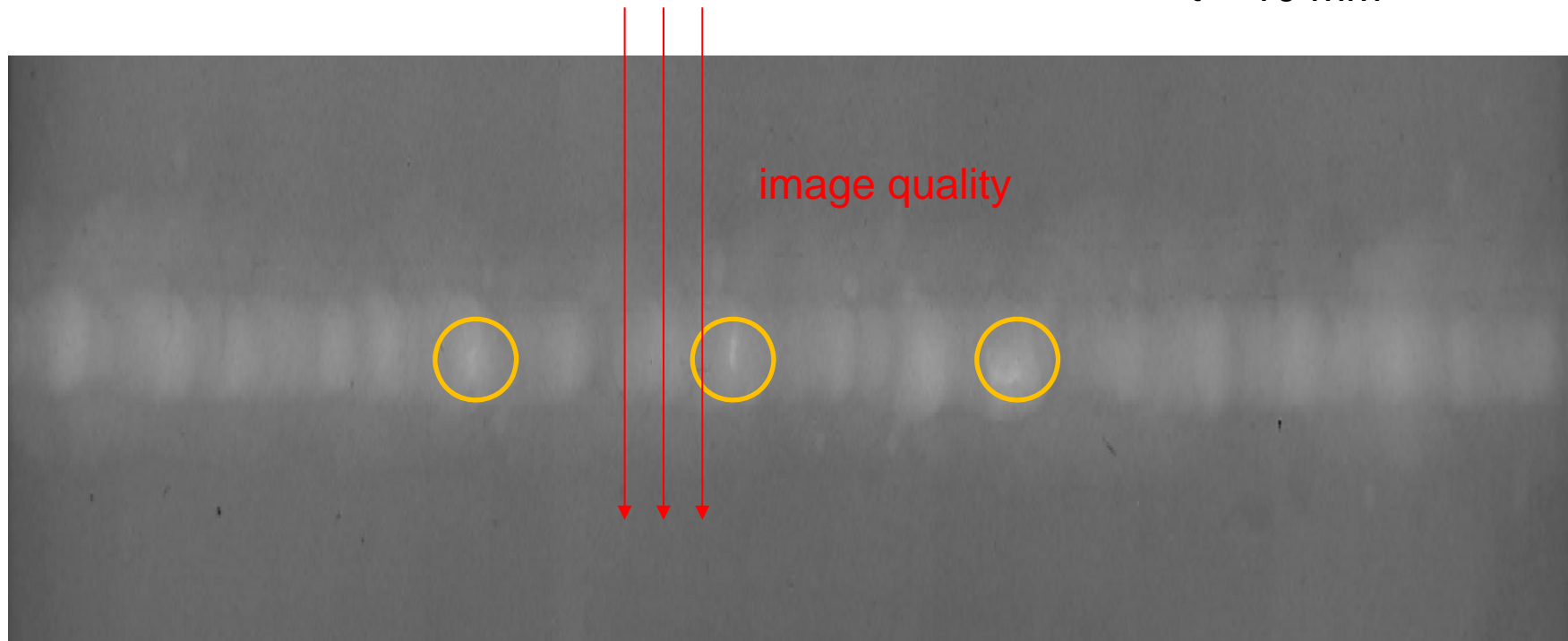
Radiography - Gamma



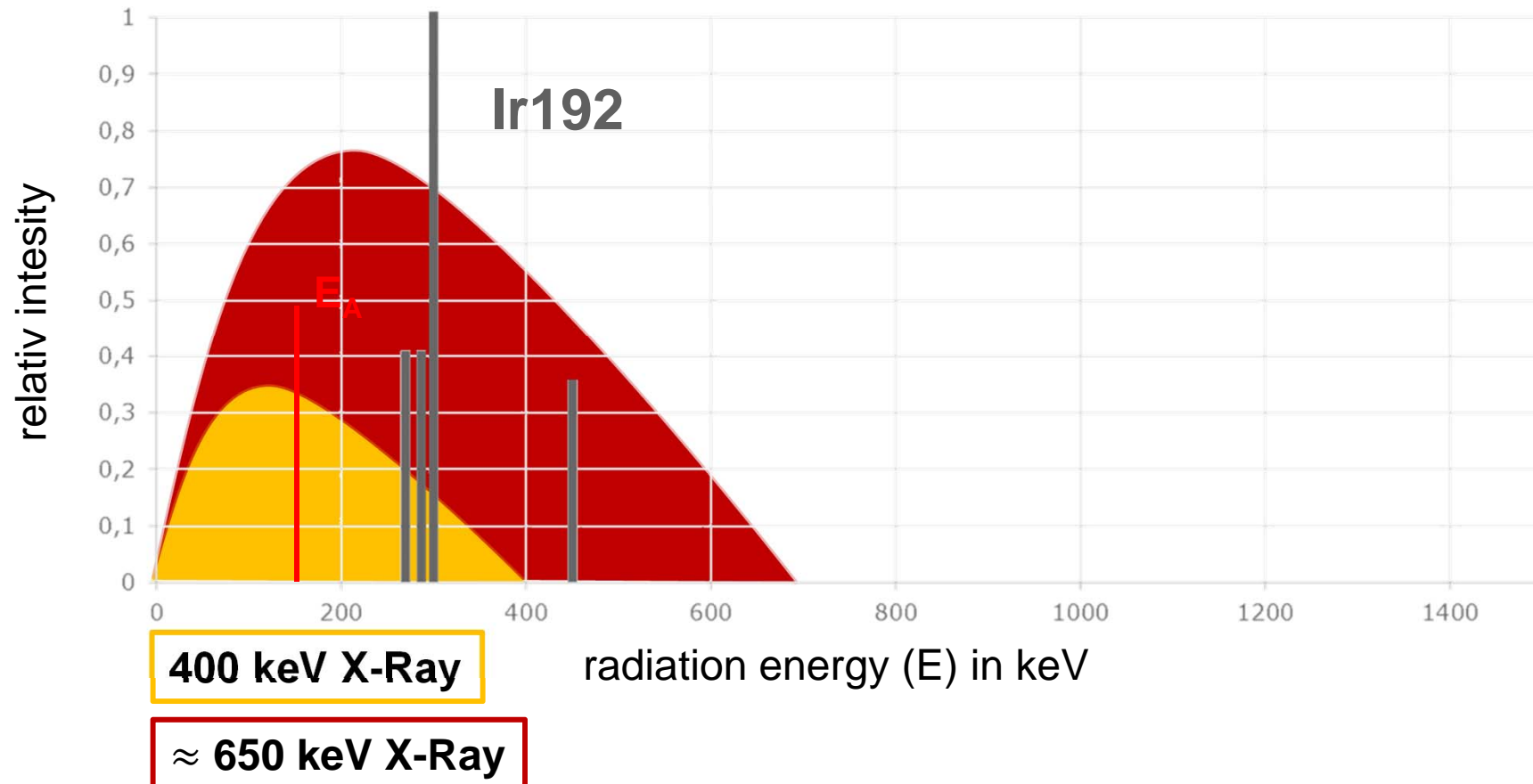
Radiography - Gamma

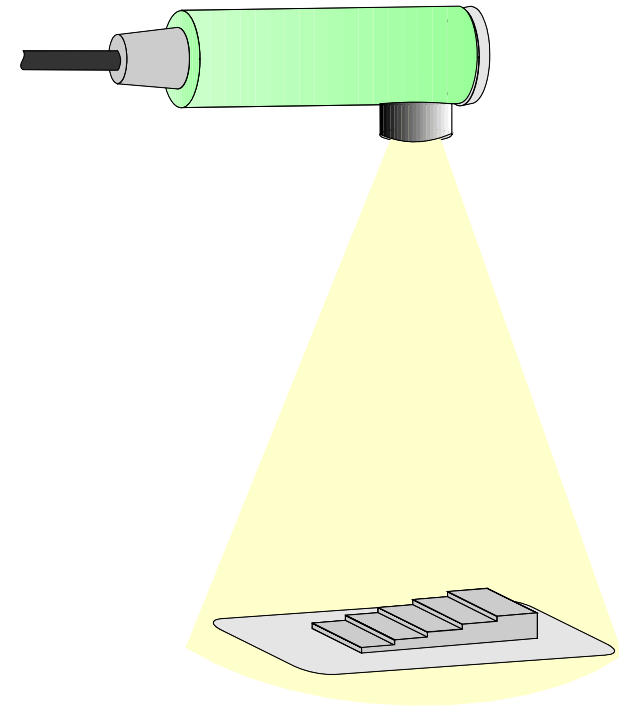
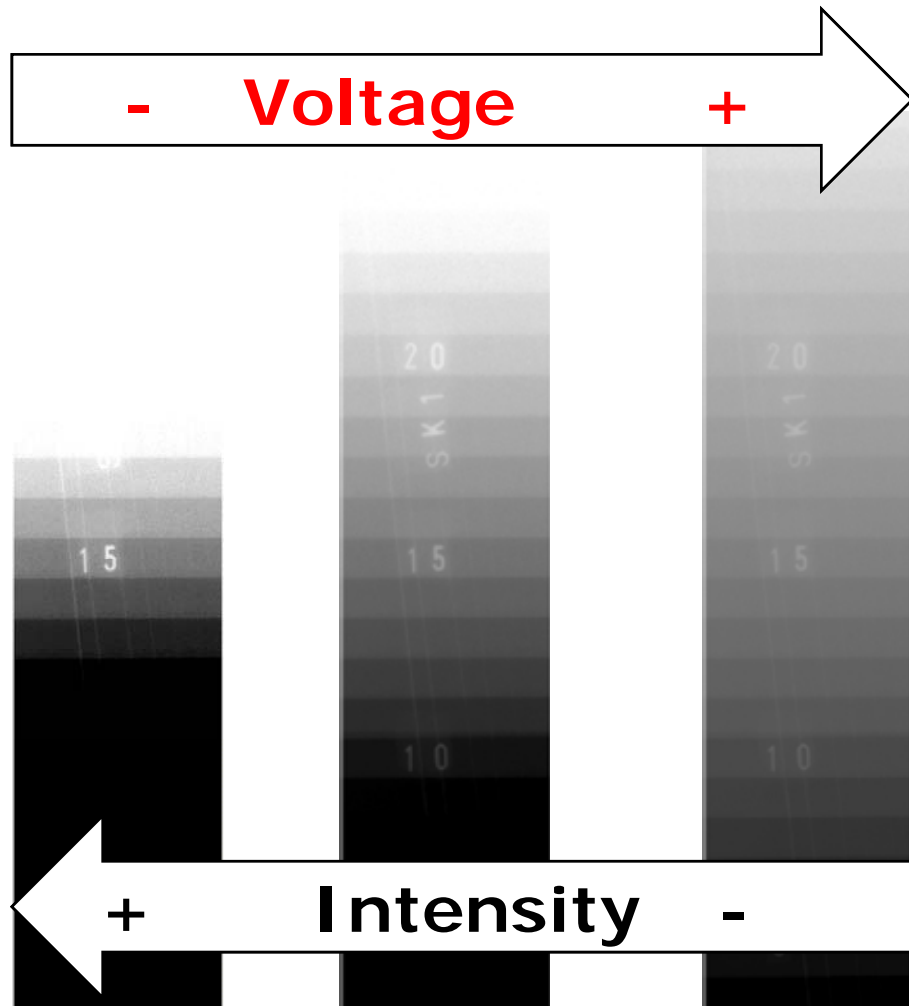
Ir192

t = 10 mm

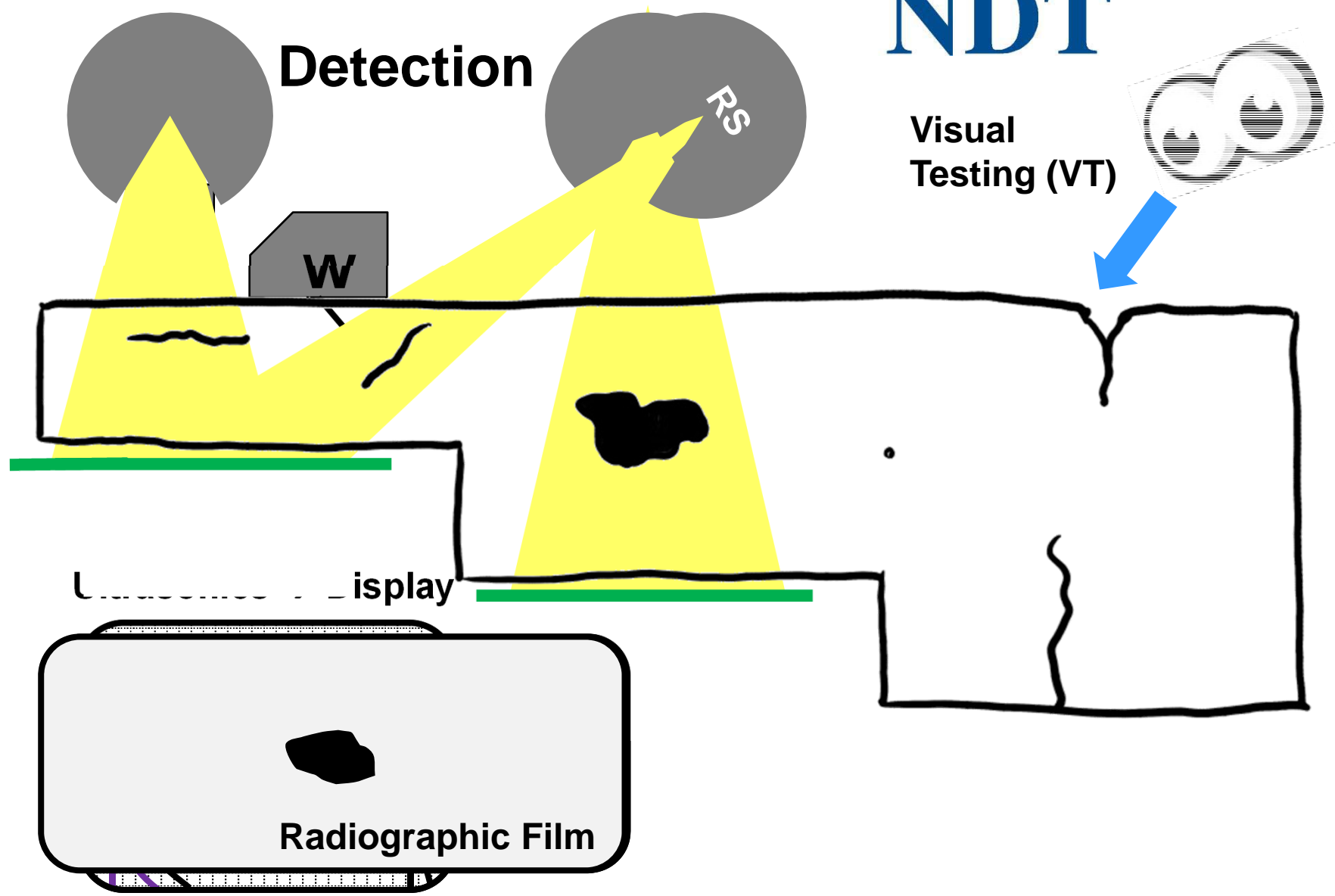


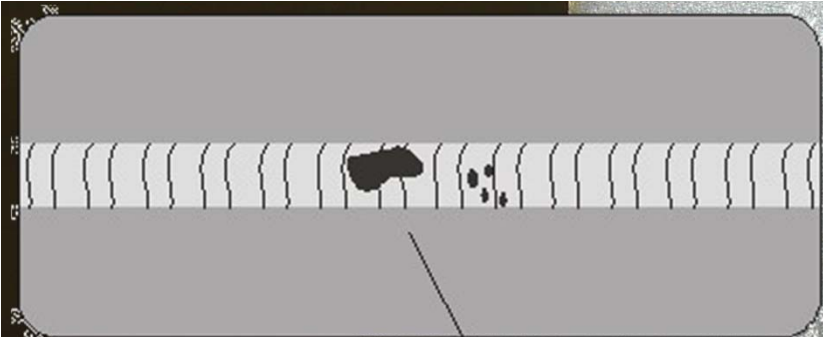
Radiography - Gamma





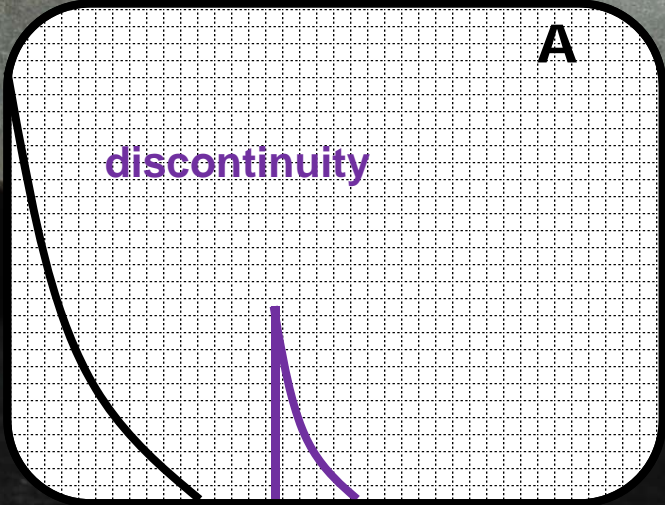
Radiografie





Ultrasonics

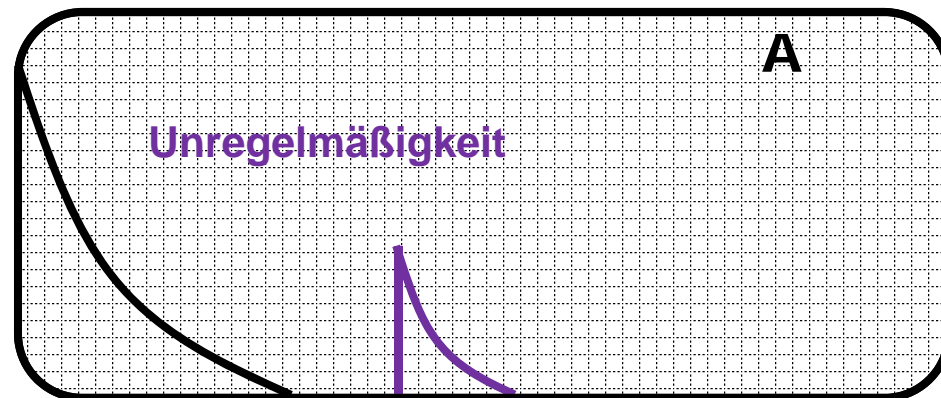
Radiography



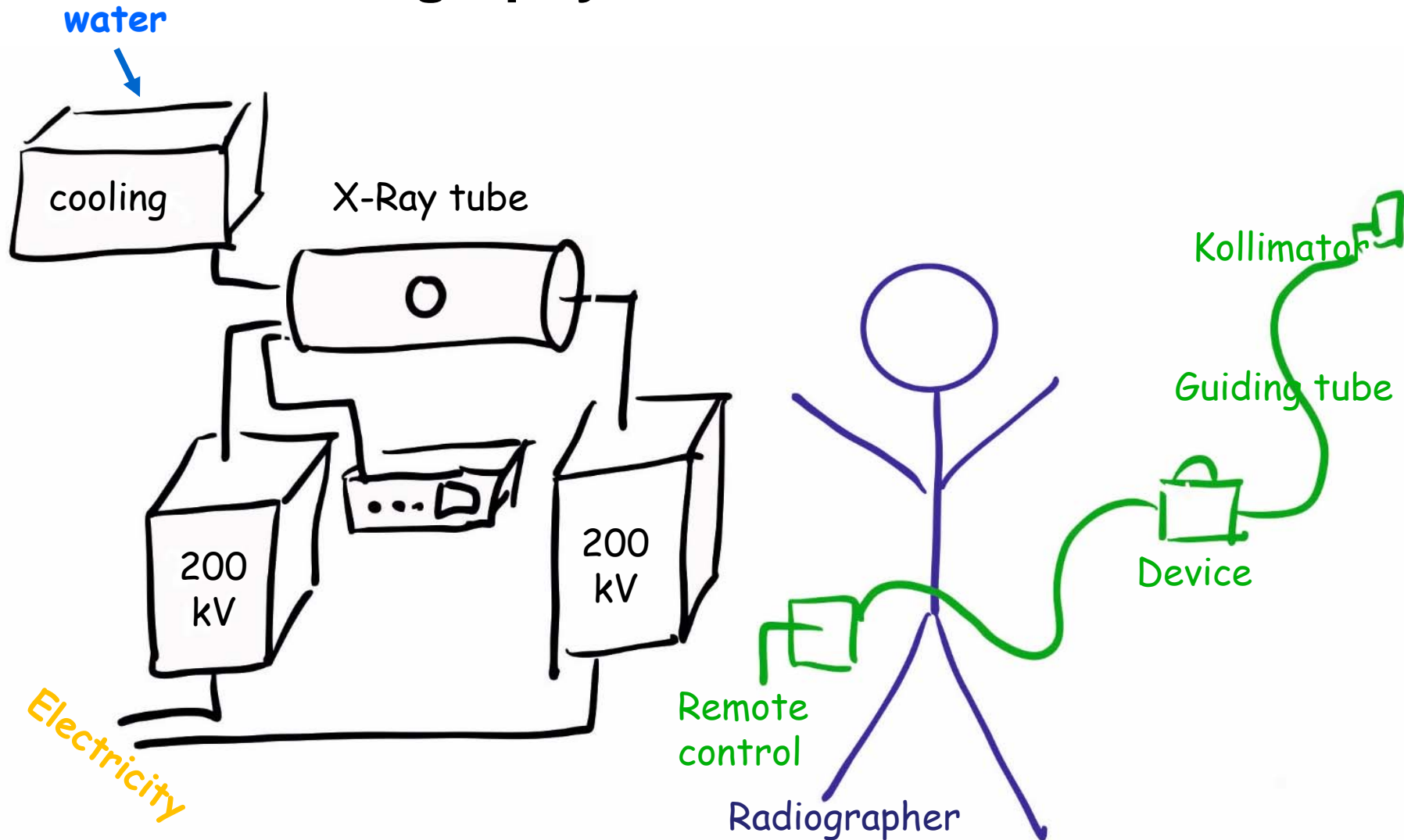
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Ultrasonics

- *schwarze Magie* → kein bildgebendes Verfahren
- coarser structure (austenites, castings)
- Schwarz-Weiß-Verbindungen (black-white-joints)
- low thickness → transmission rangedes Probe
- ($t > 8\text{mm}$)



Radiography



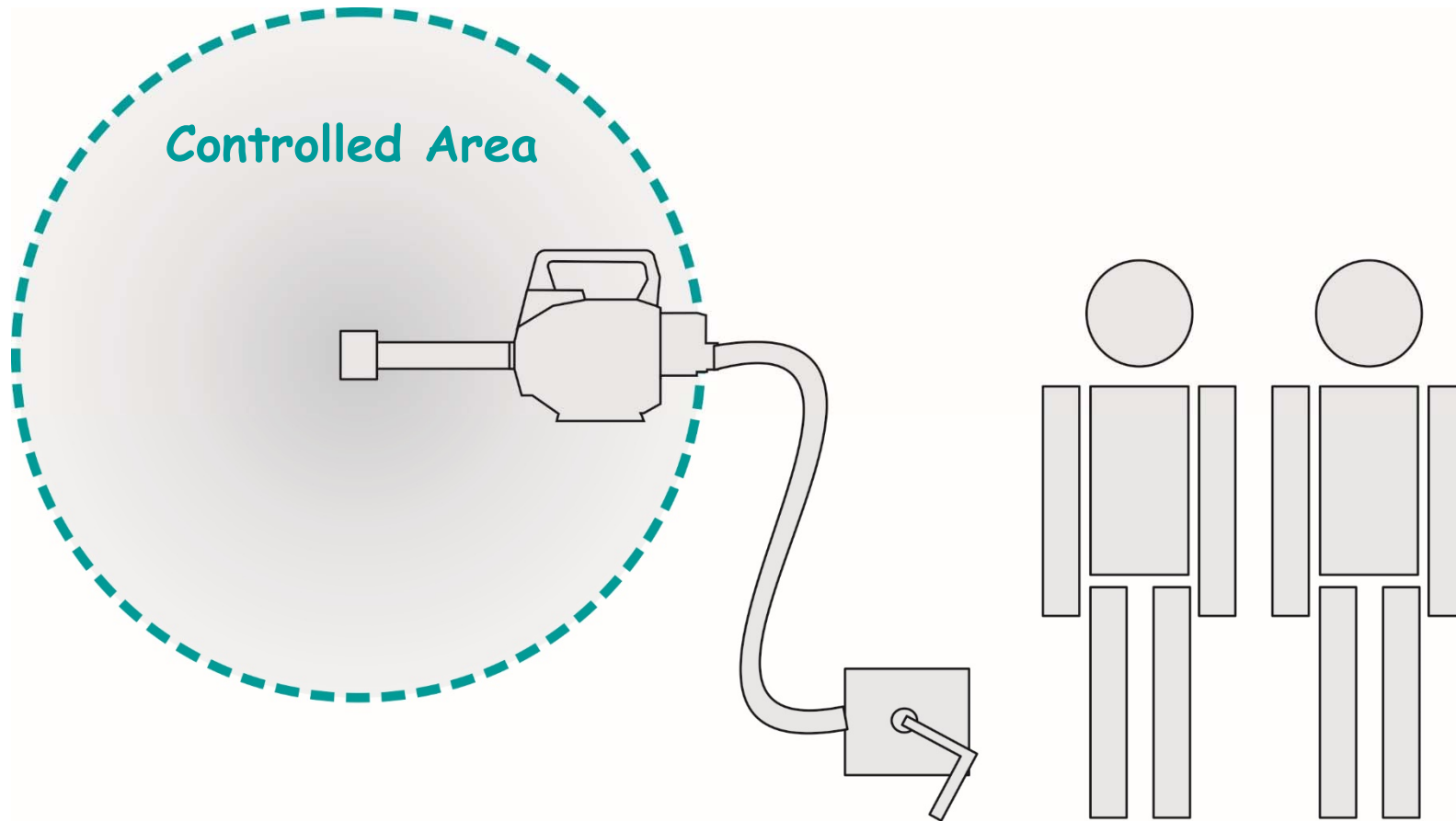
Testing Site



Testing Site



Radiation Protection



Thank you

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