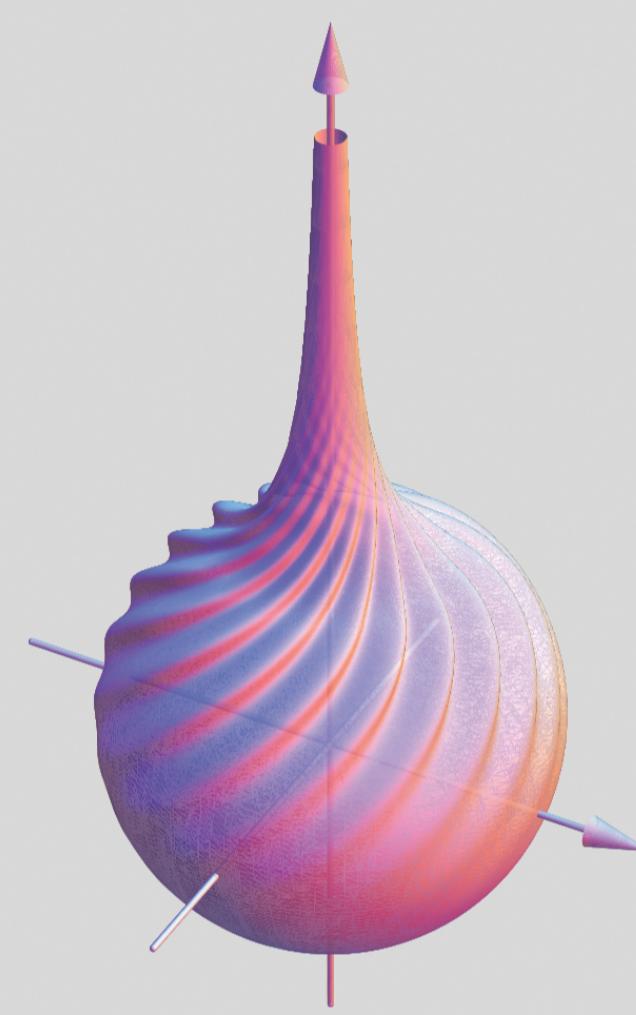


# ATMOSPHERIC DEUTERIUM FLASH

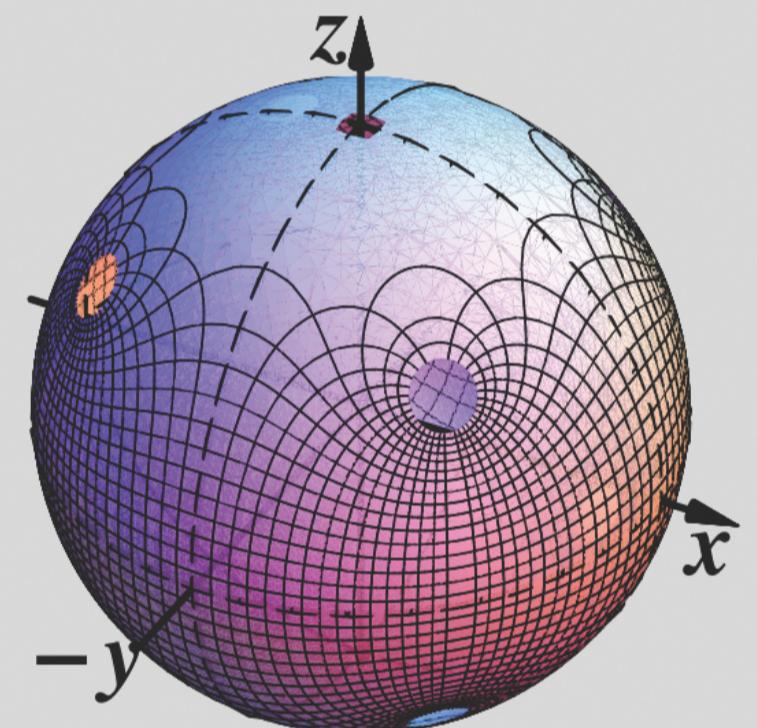


Labofoudre film 2012  
Ball lightning by French superbolt

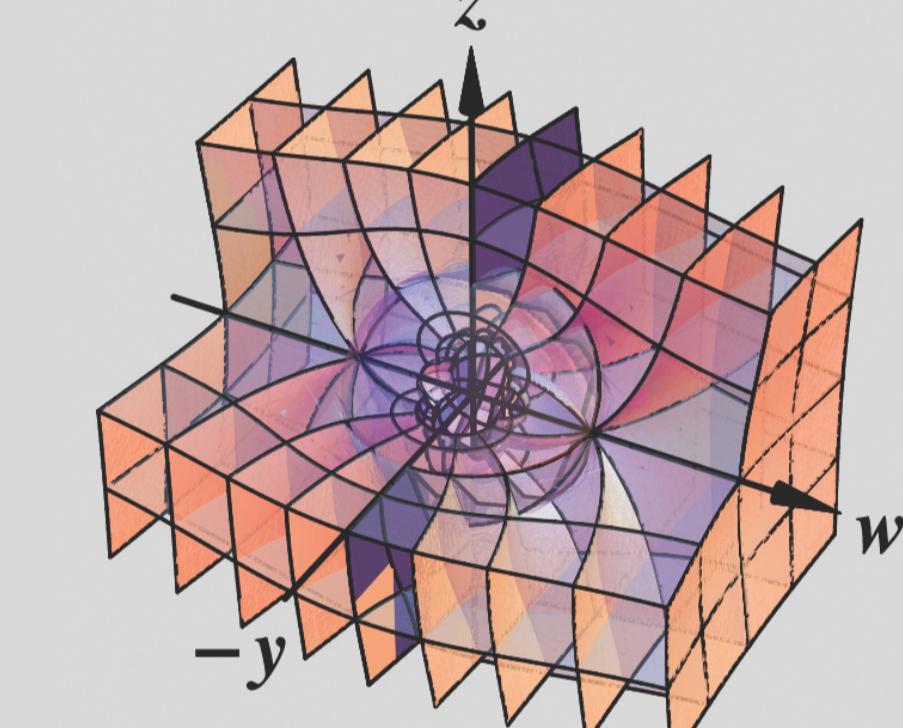
Soliton waves  
balloon into a sphere



AIS Zelenogradsk 2014

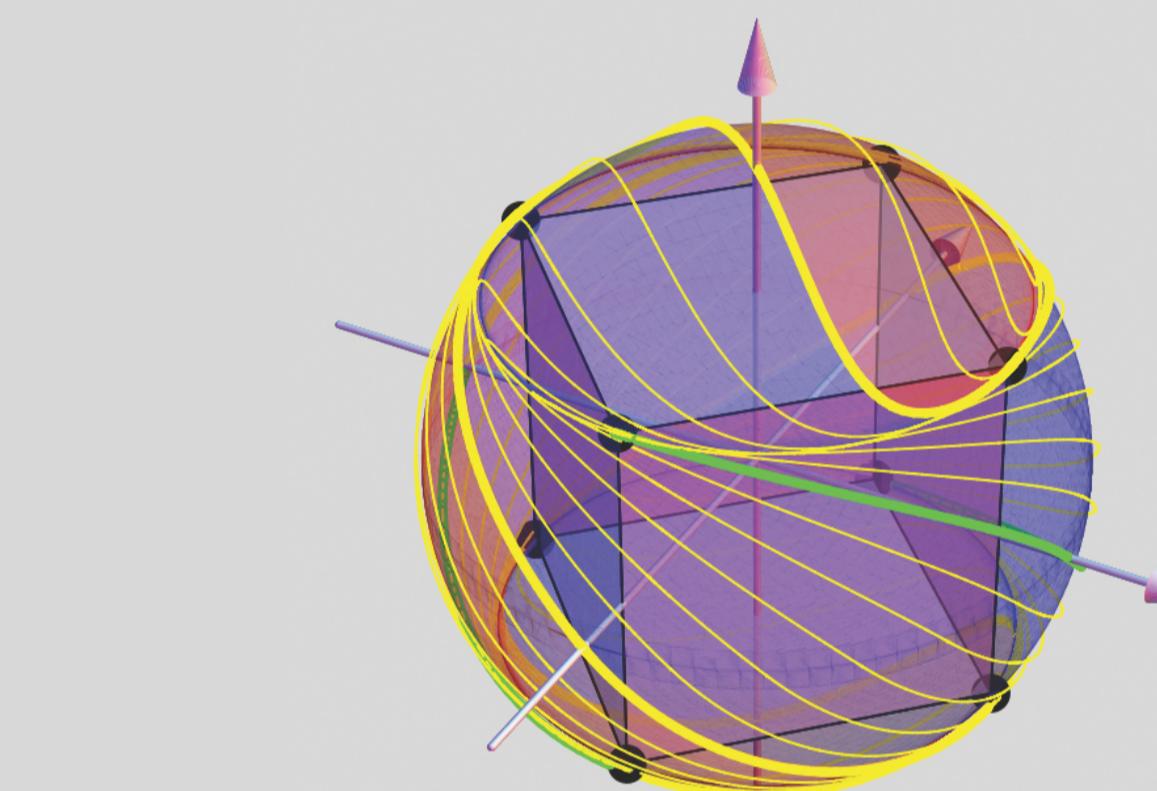


ESA Versailles 2008



PIERS Xi'an 2010

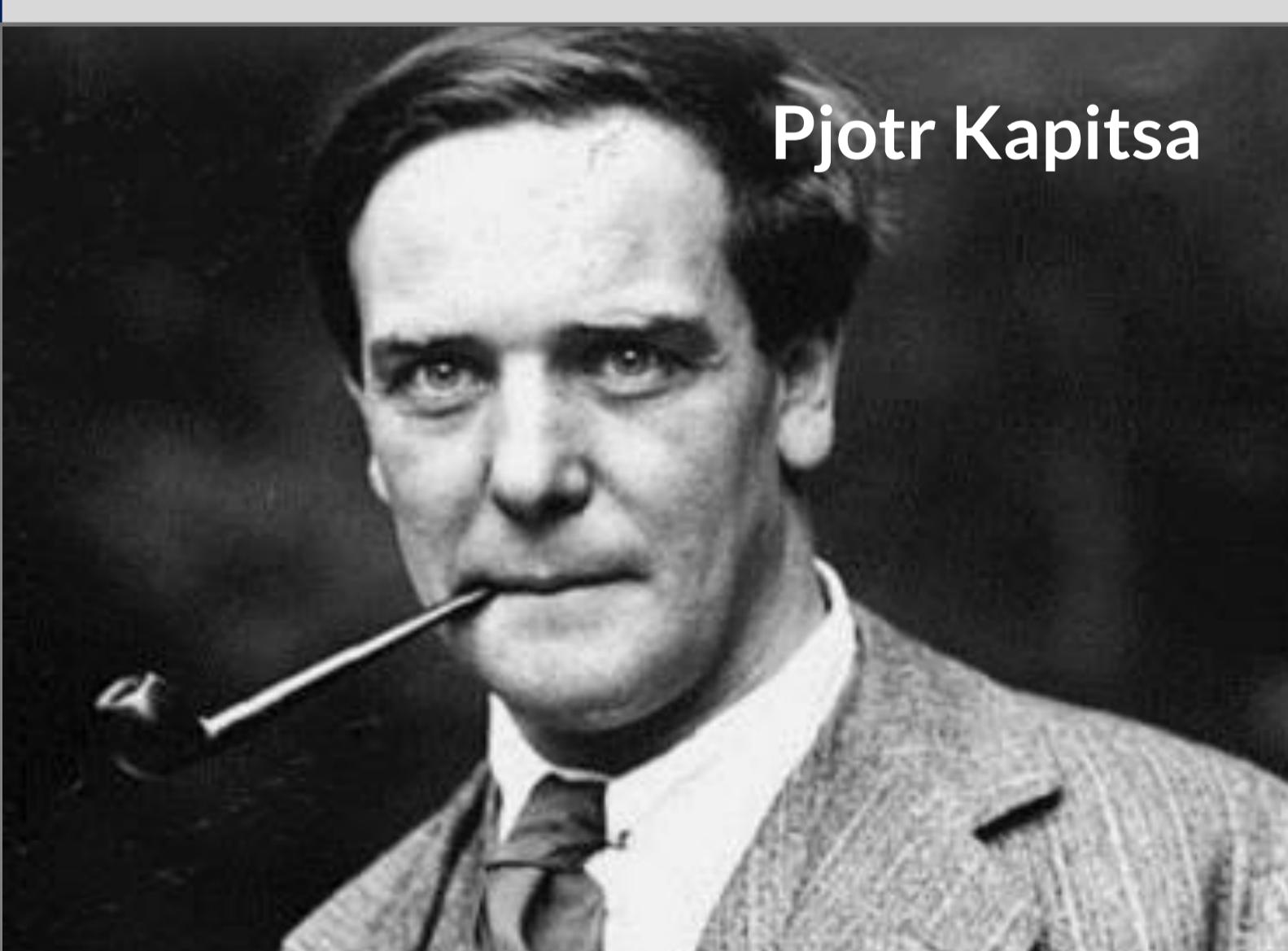
Microwaves for  
nuclear fusion  
Nobel lecture on ball  
lightning



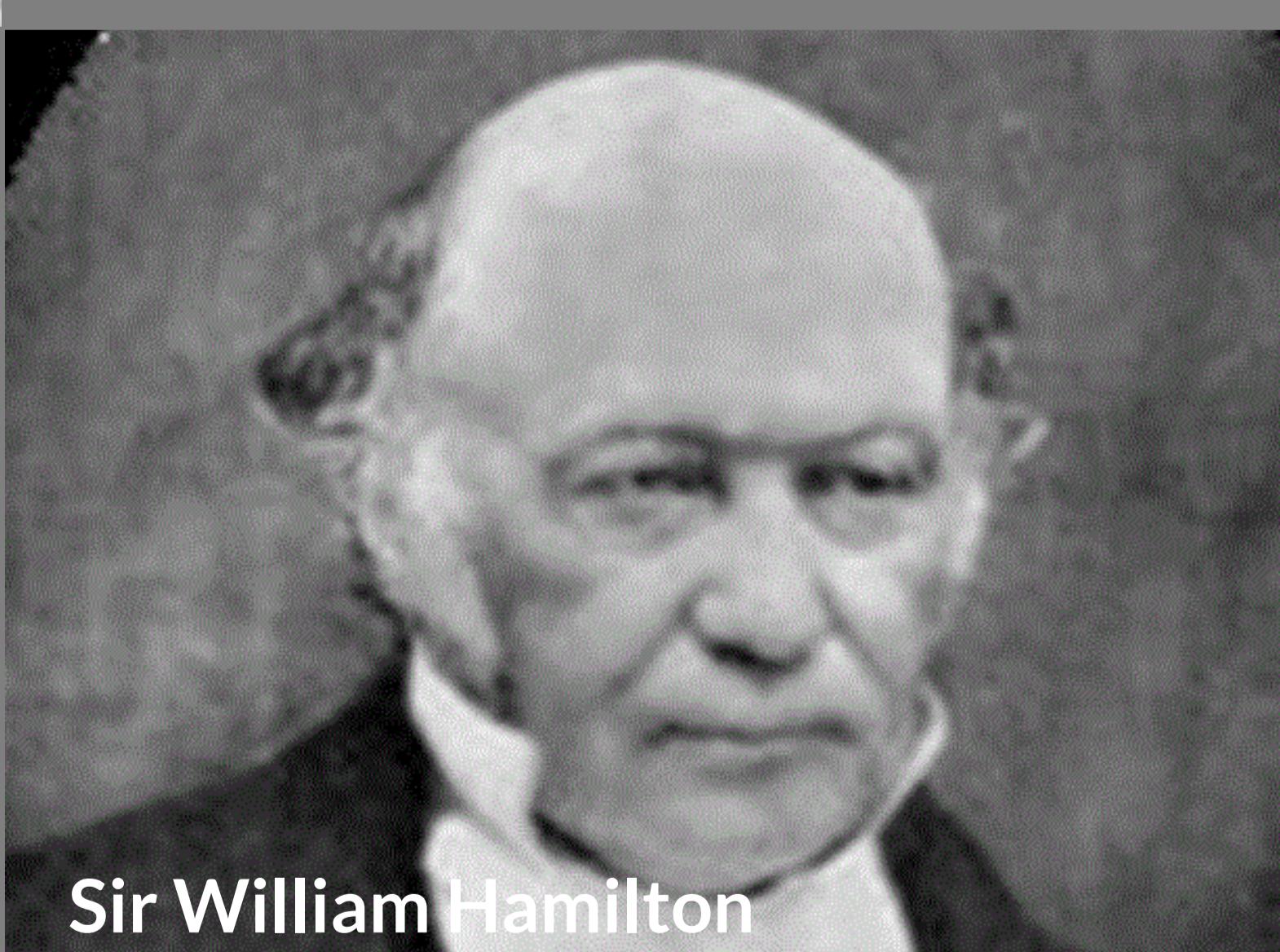
ISL-SRP Aurillac 2017



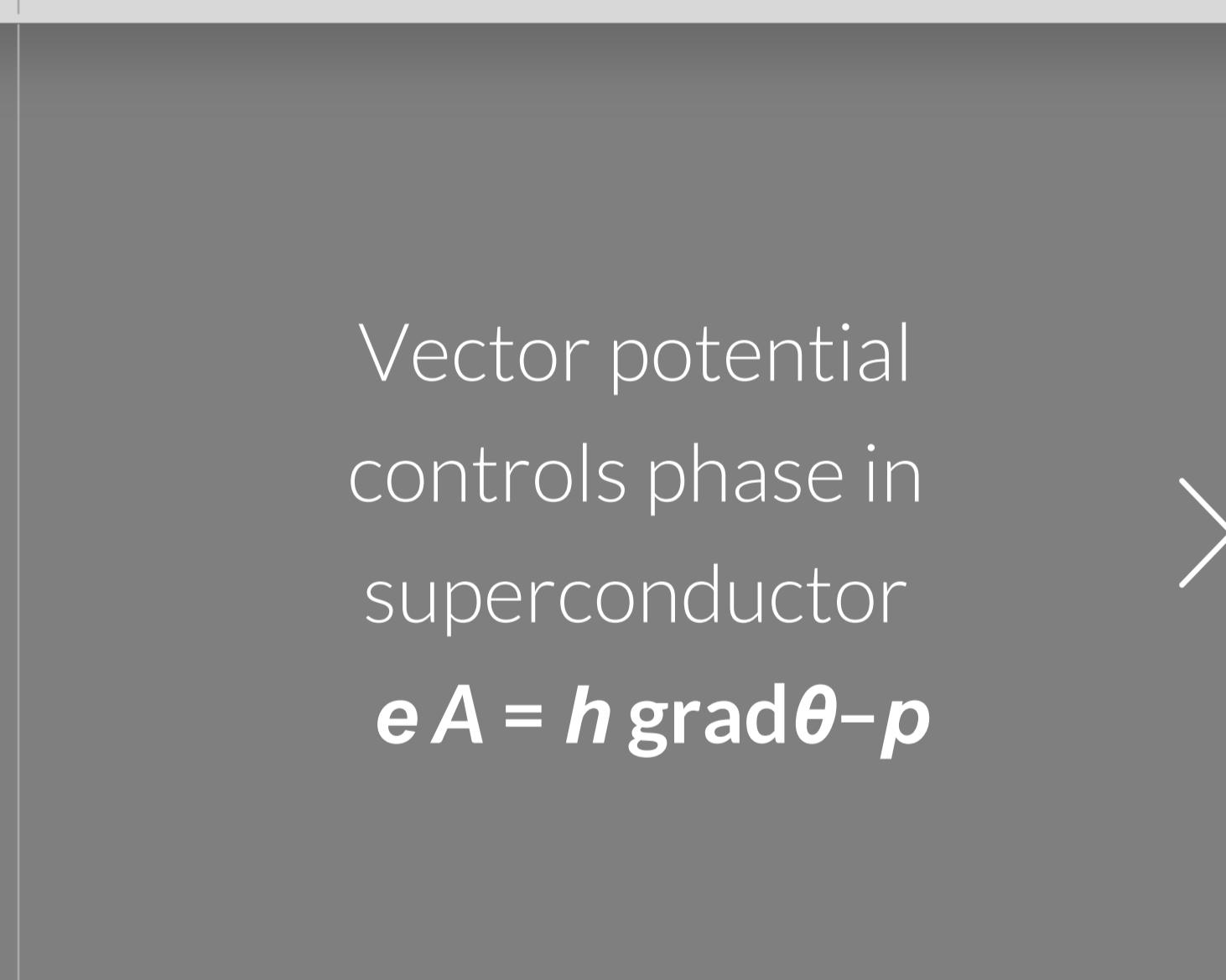
Convection Natural Fusion N.V.  
Rotterdam



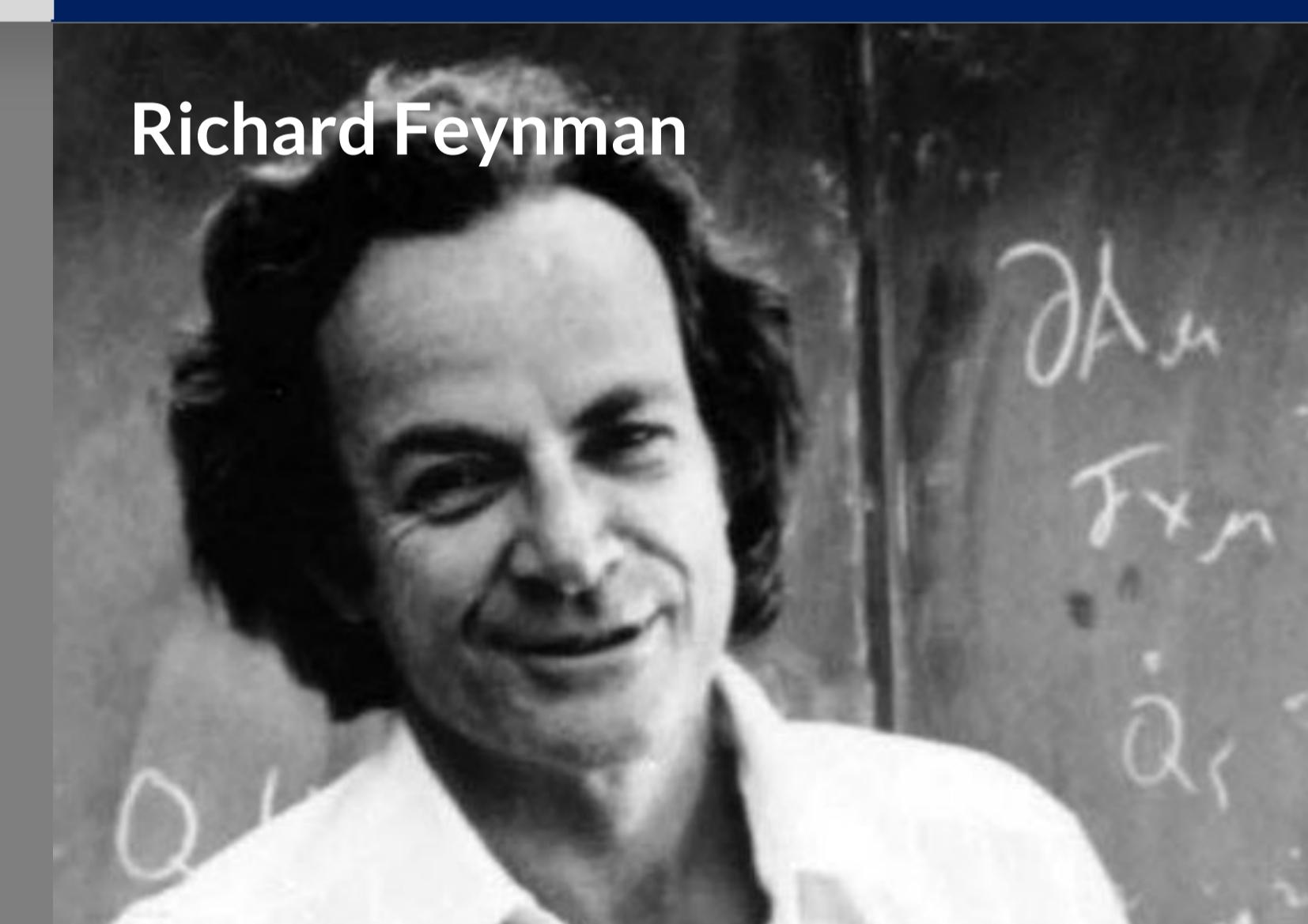
Pjotr Kapitsa



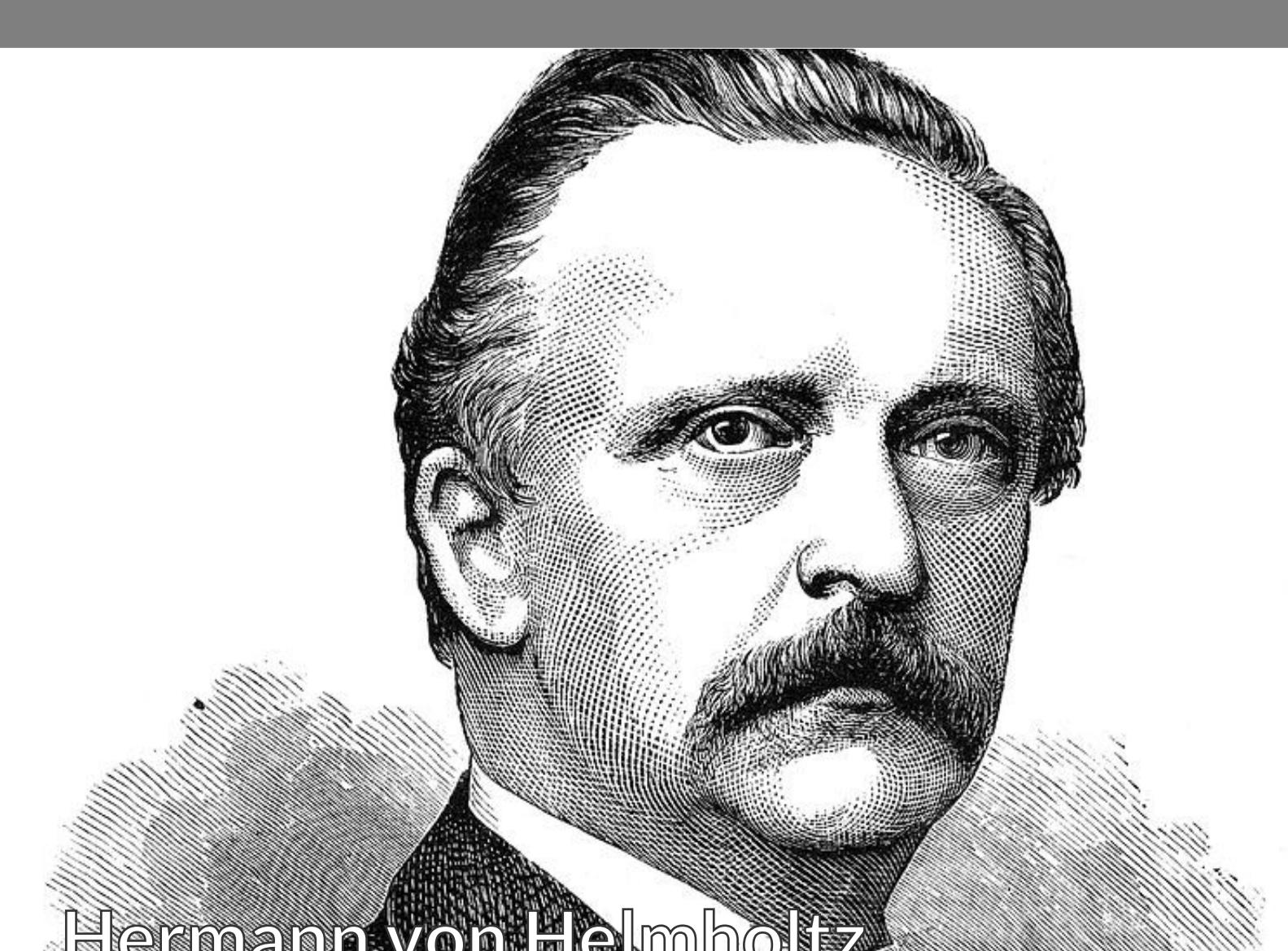
Sir William Hamilton



Gustav Kirchhoff



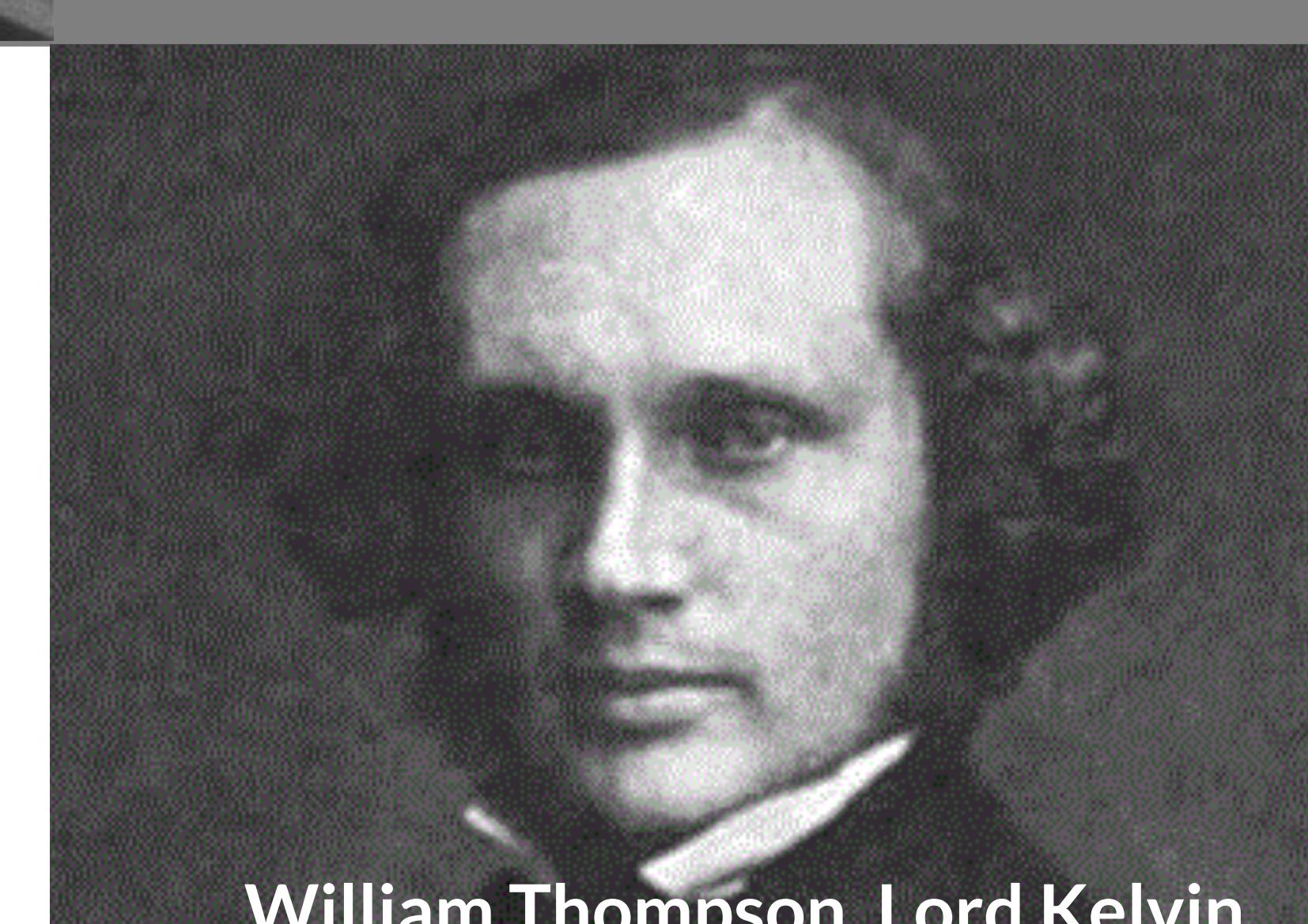
Richard Feynman



Helmholtz, über Integrale der hydrodynamischen Gleichungen

$$(3 \text{ a.}) \quad \begin{cases} \frac{\partial \xi}{\partial t} = \xi \frac{du}{dx} + \eta \frac{dv}{dx} + \zeta \frac{dw}{dx}, \\ \frac{\partial \eta}{\partial t} = \xi \frac{du}{dy} + \eta \frac{dv}{dy} + \zeta \frac{dw}{dy}, \\ \frac{\partial \zeta}{\partial t} = \xi \frac{du}{dz} + \eta \frac{dv}{dz} + \zeta \frac{dw}{dz}. \end{cases}$$

(u,v,w)=velocity , vorticity=(ξ,η,ζ)



William Thompson, Lord Kelvin