

# **ASTROČESTIČNA FIZIKA**

## **svemir iz nove perspektive**

Dario Hrupec

Otvoreni dani Odjela za fiziku, Osijek  
8. studenog 2022.

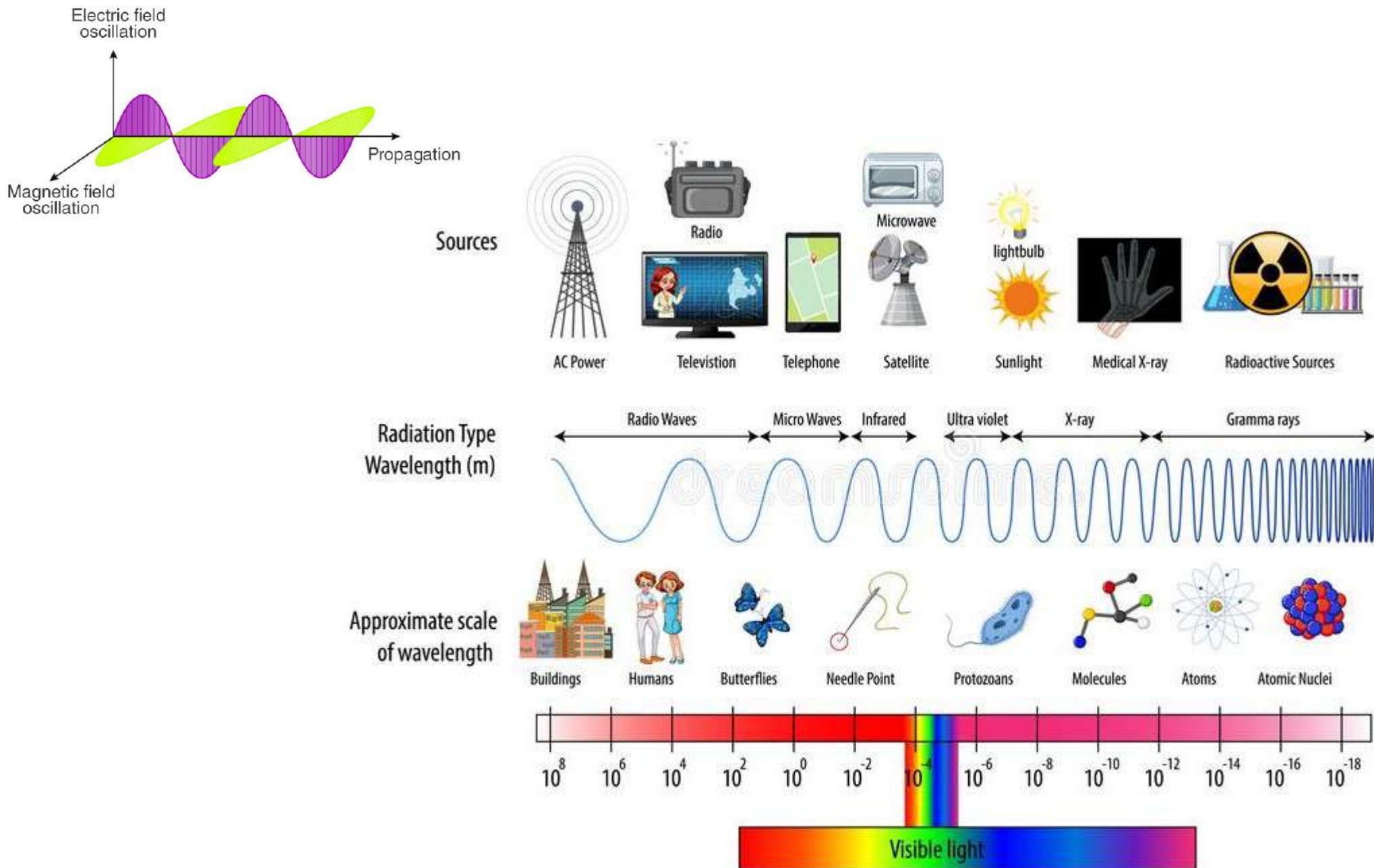
fotoni

kozmičke zrake

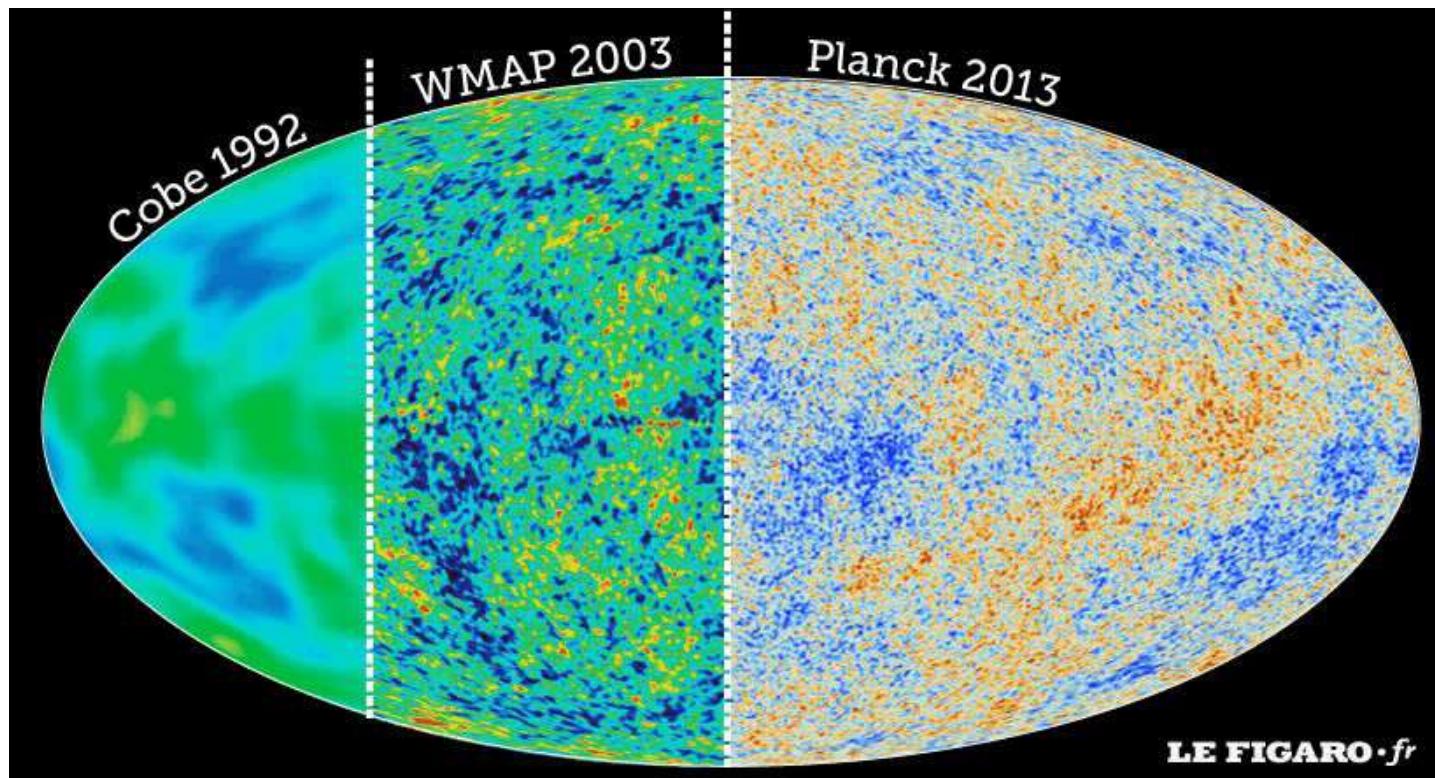
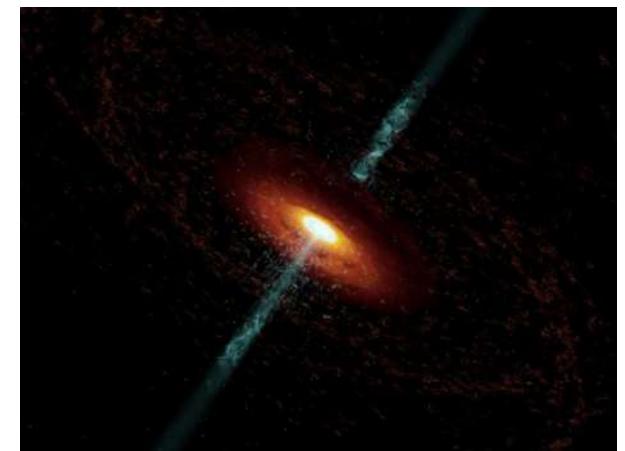
astrofizički neutrini

gravitacijski valovi

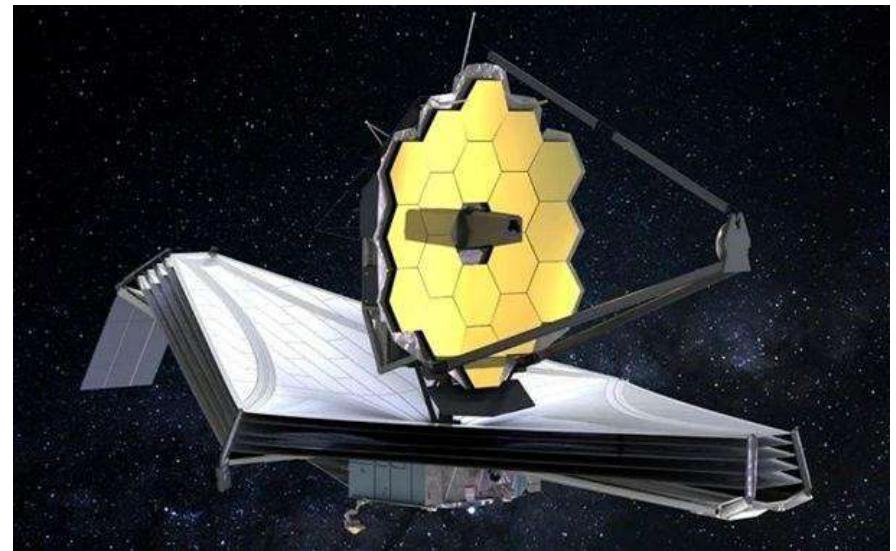
# Fotoni: što su?

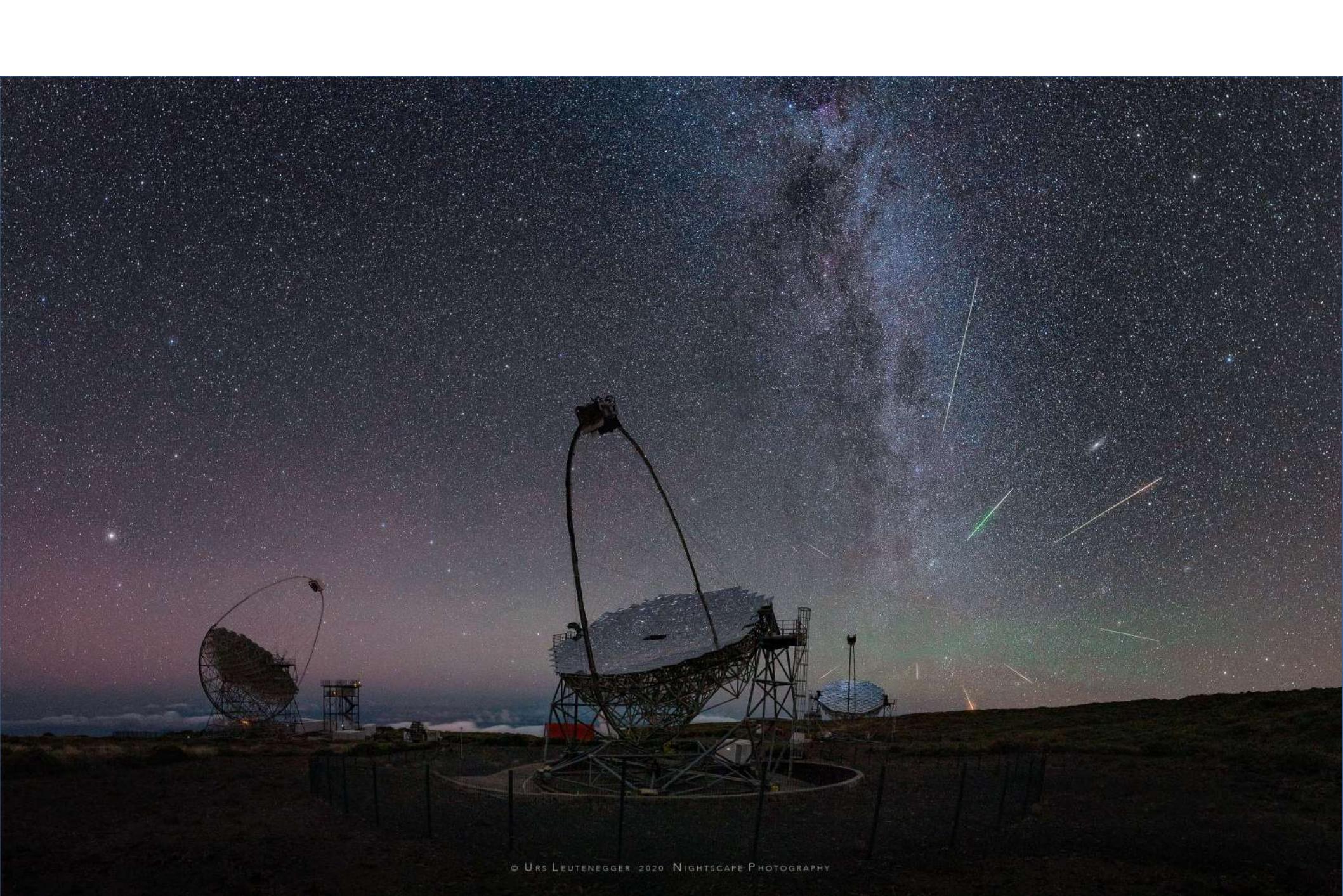


# Fotoni: odakle dolaze?



# Fotoni: kako ih opažamo?



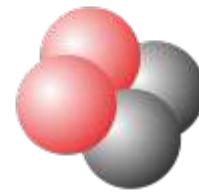


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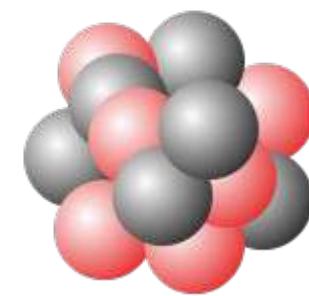
# Kozmičke zrake: što su?



proton

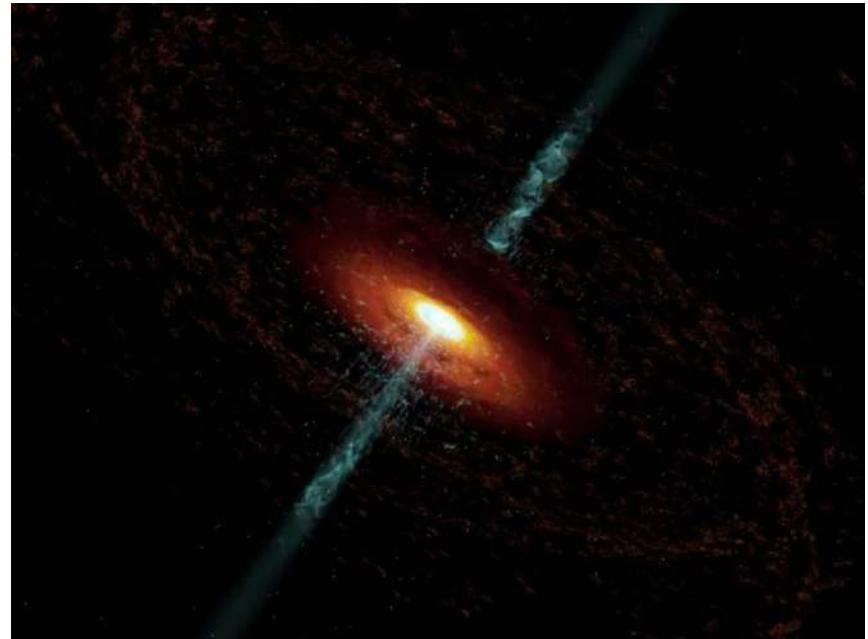
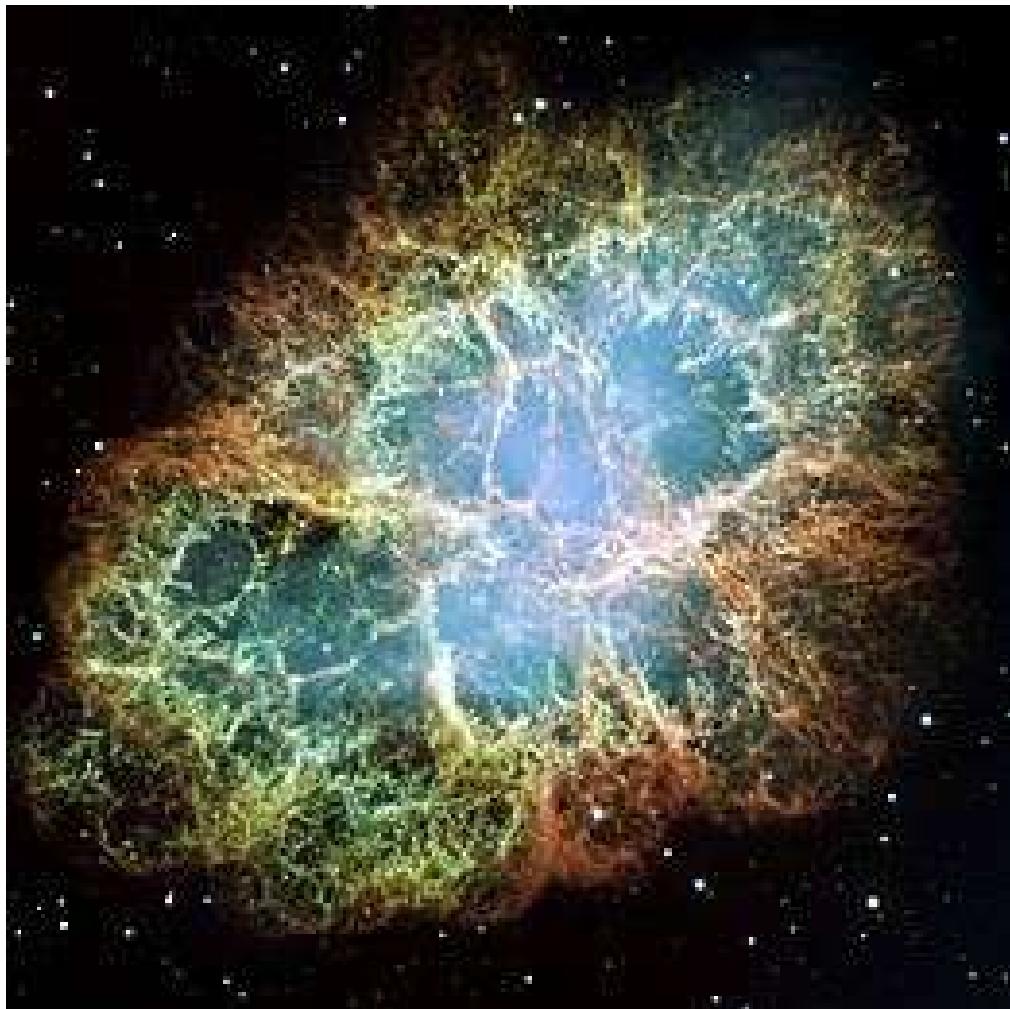


alfa-čestica

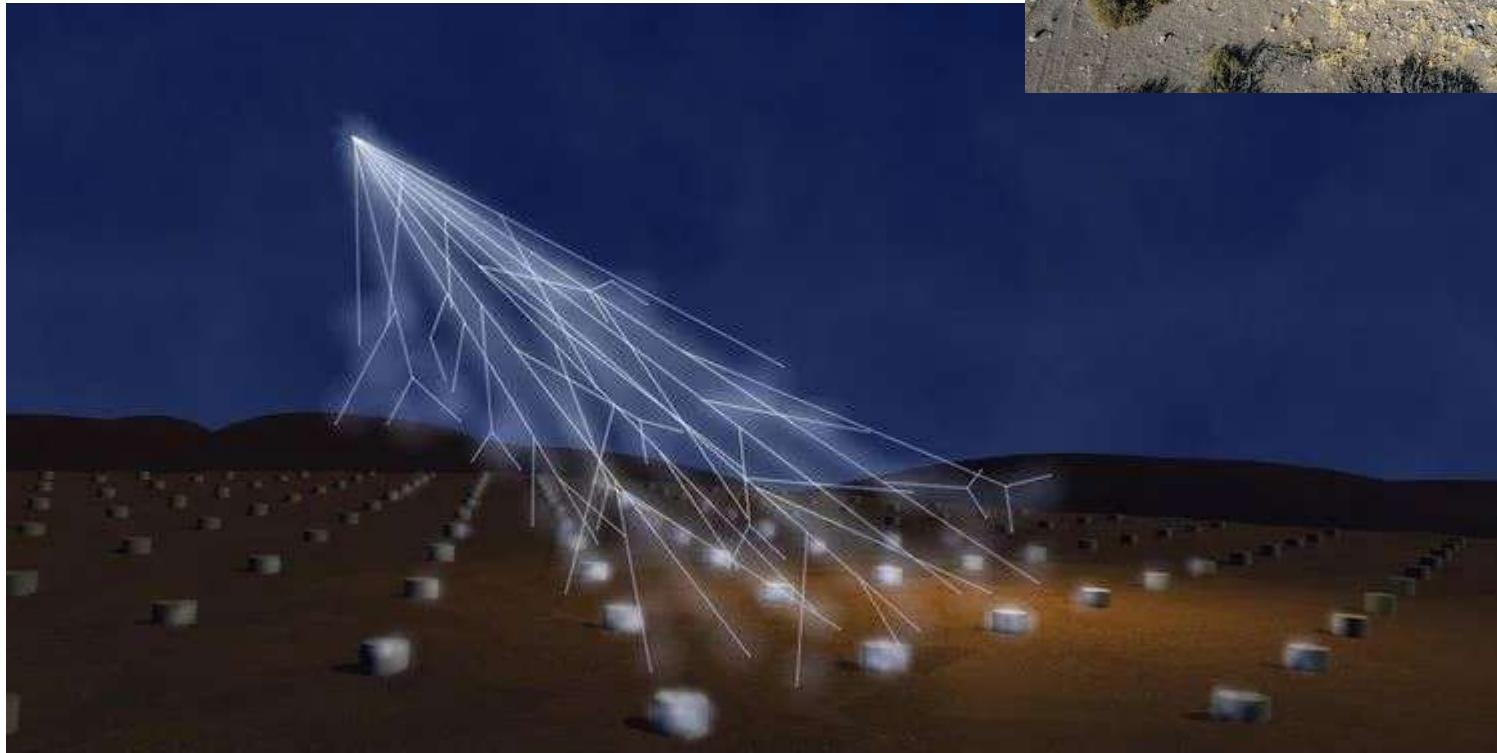


teška jezgra

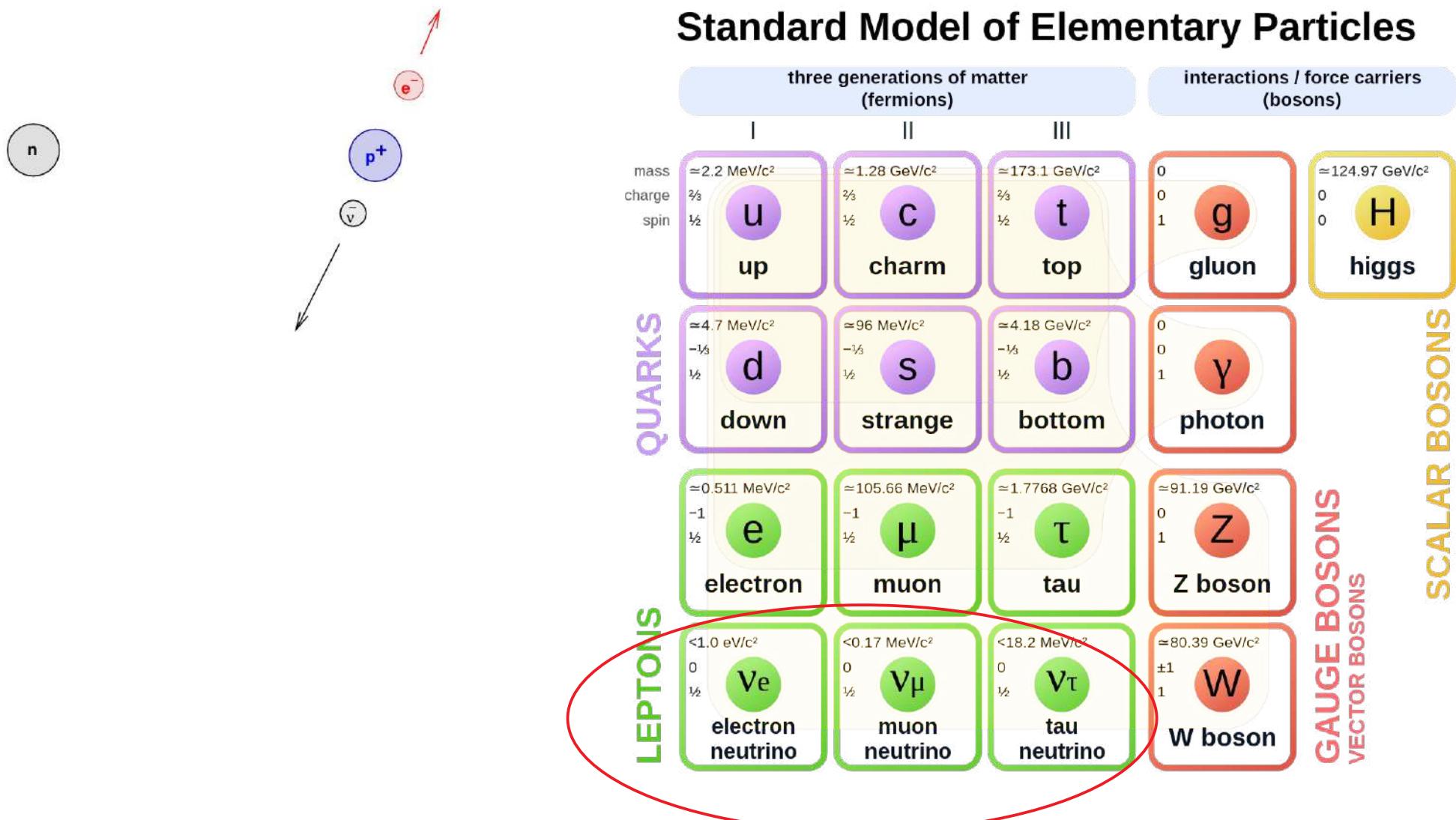
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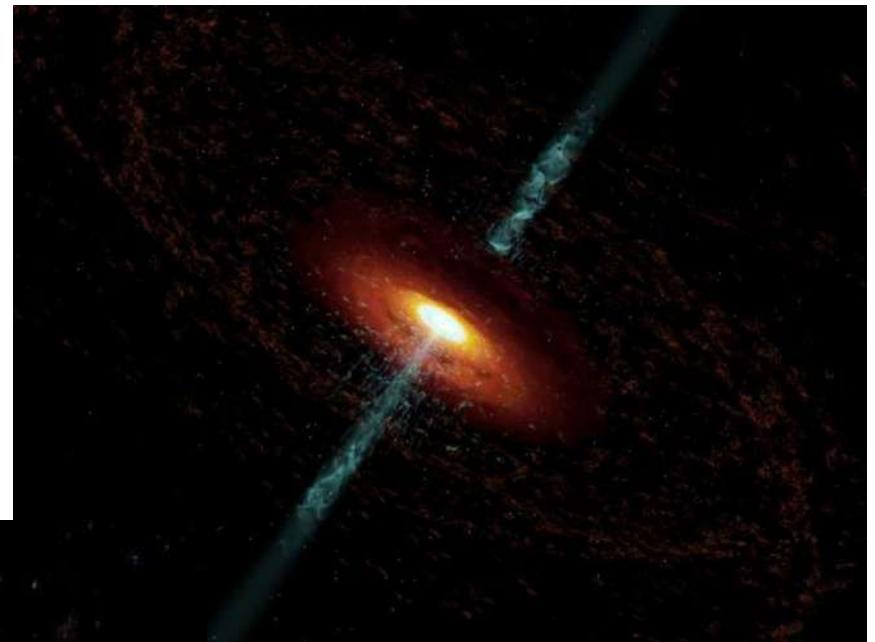
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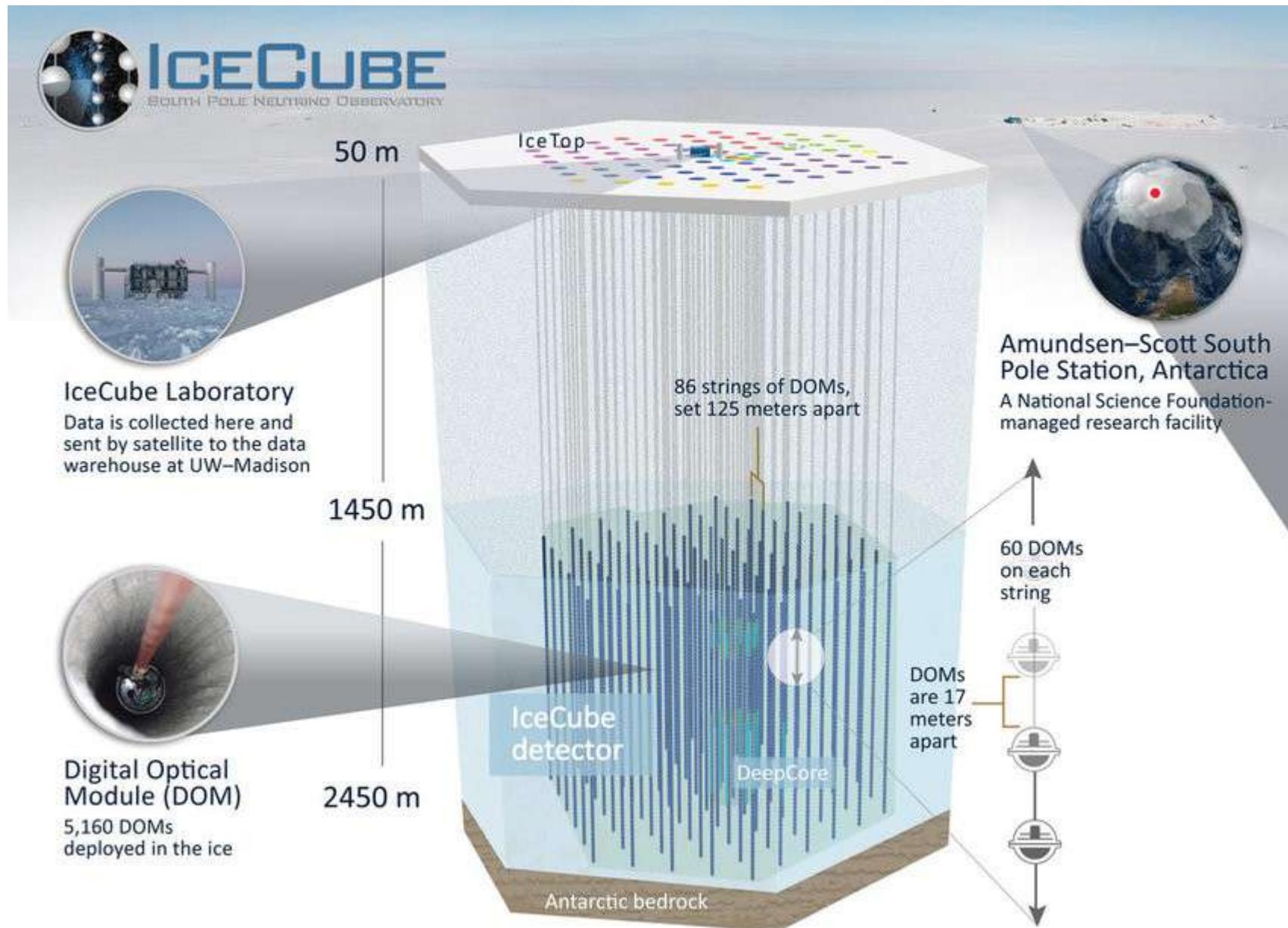
# Astrofizički neutrini: što su?



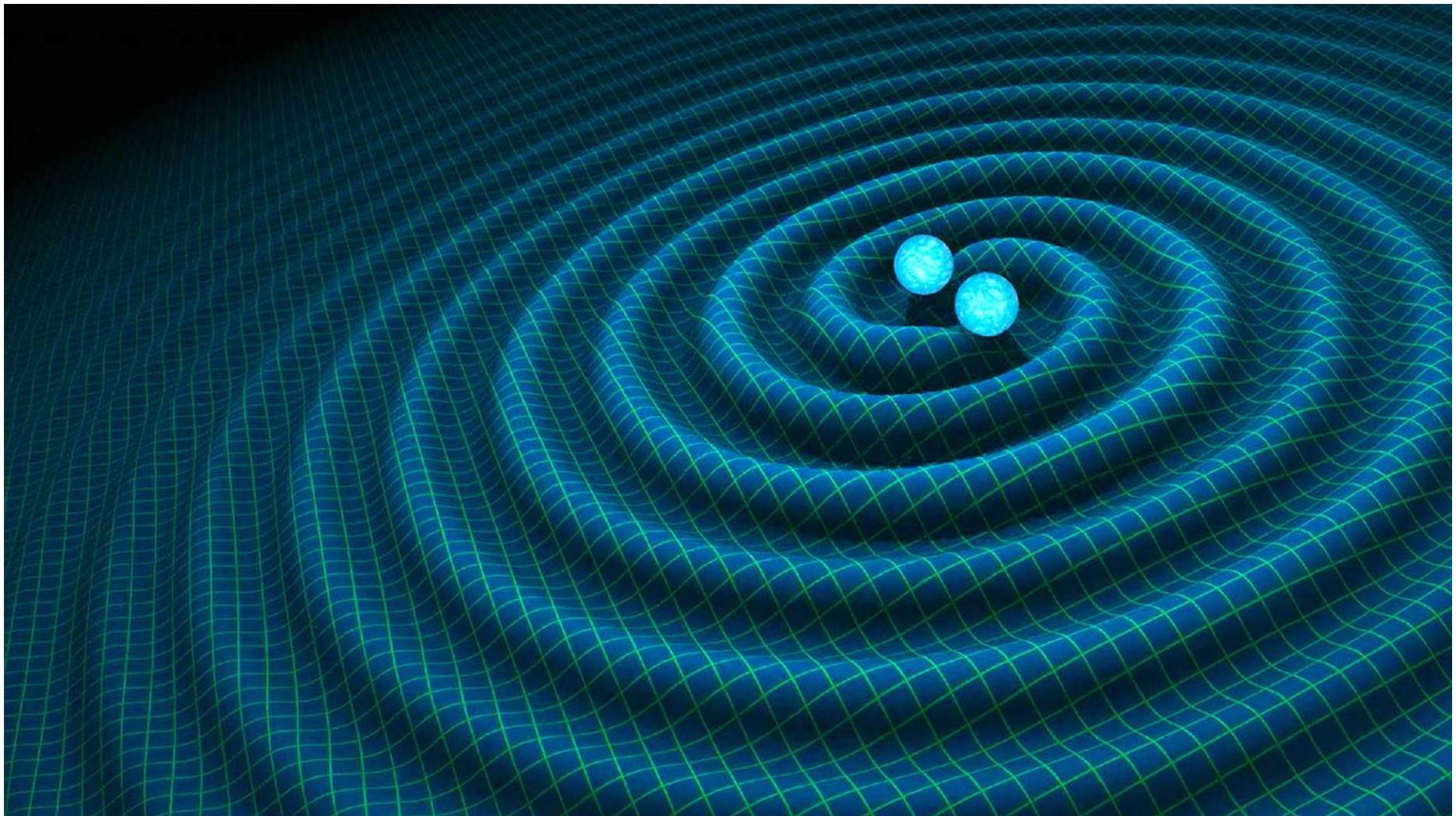
# Astrofizički neutrini: odakle dolaze?



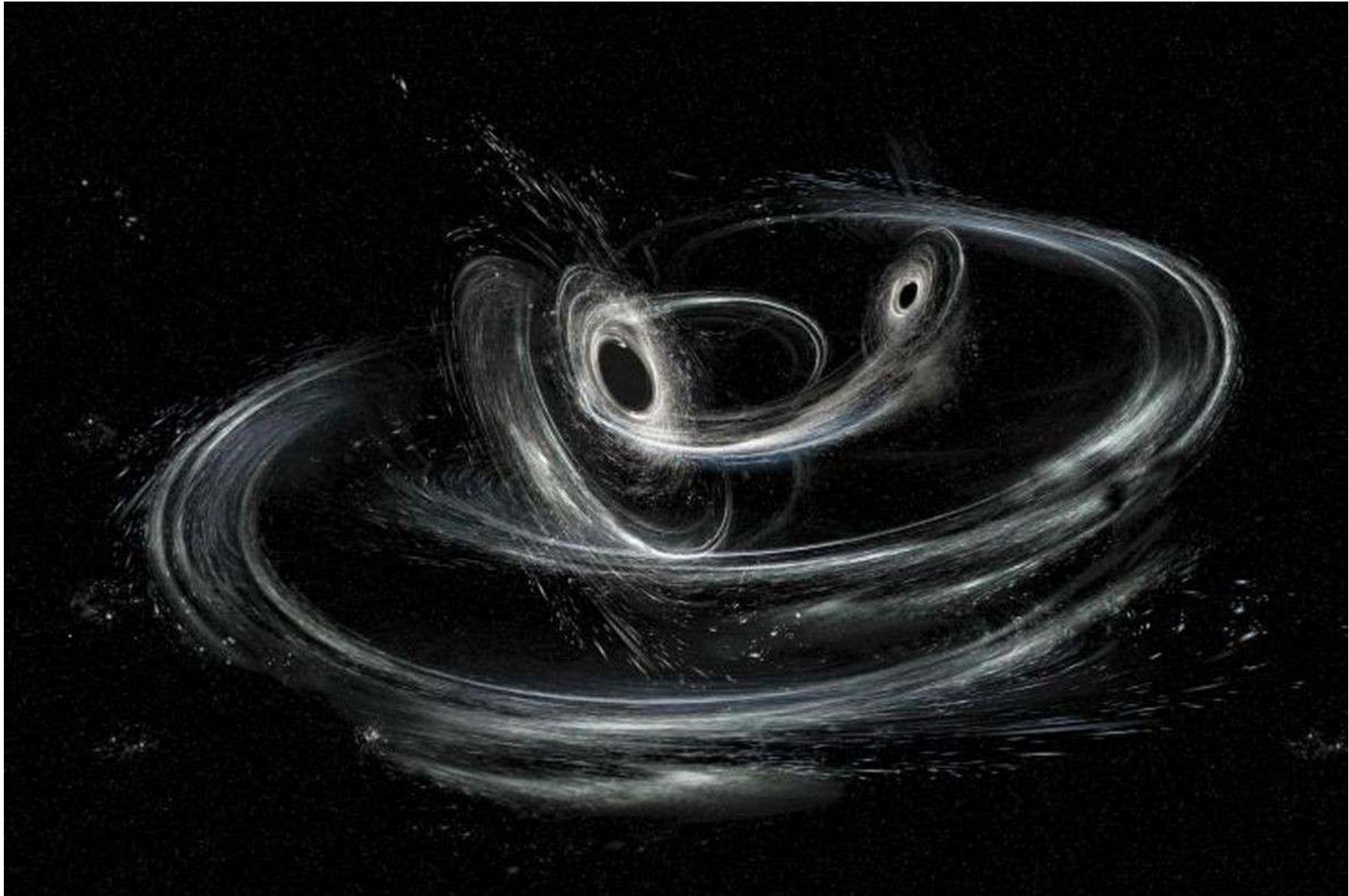
# Astrofizički neutrini: kako ih opažamo?



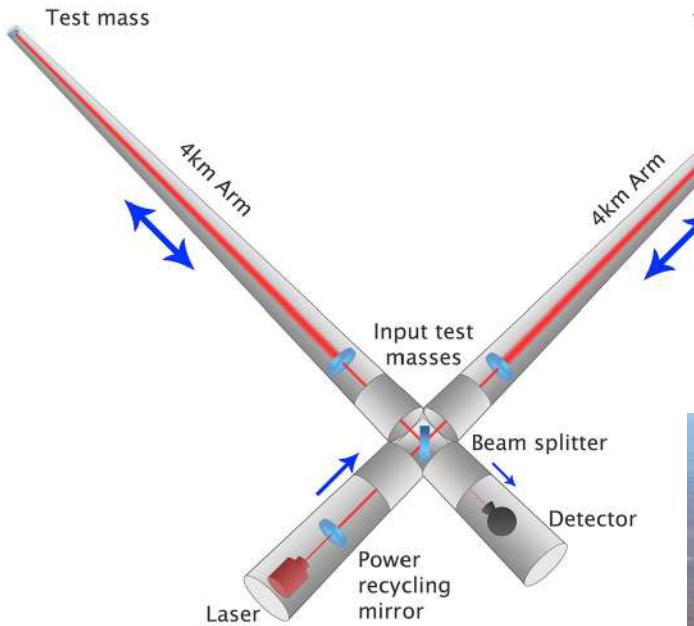
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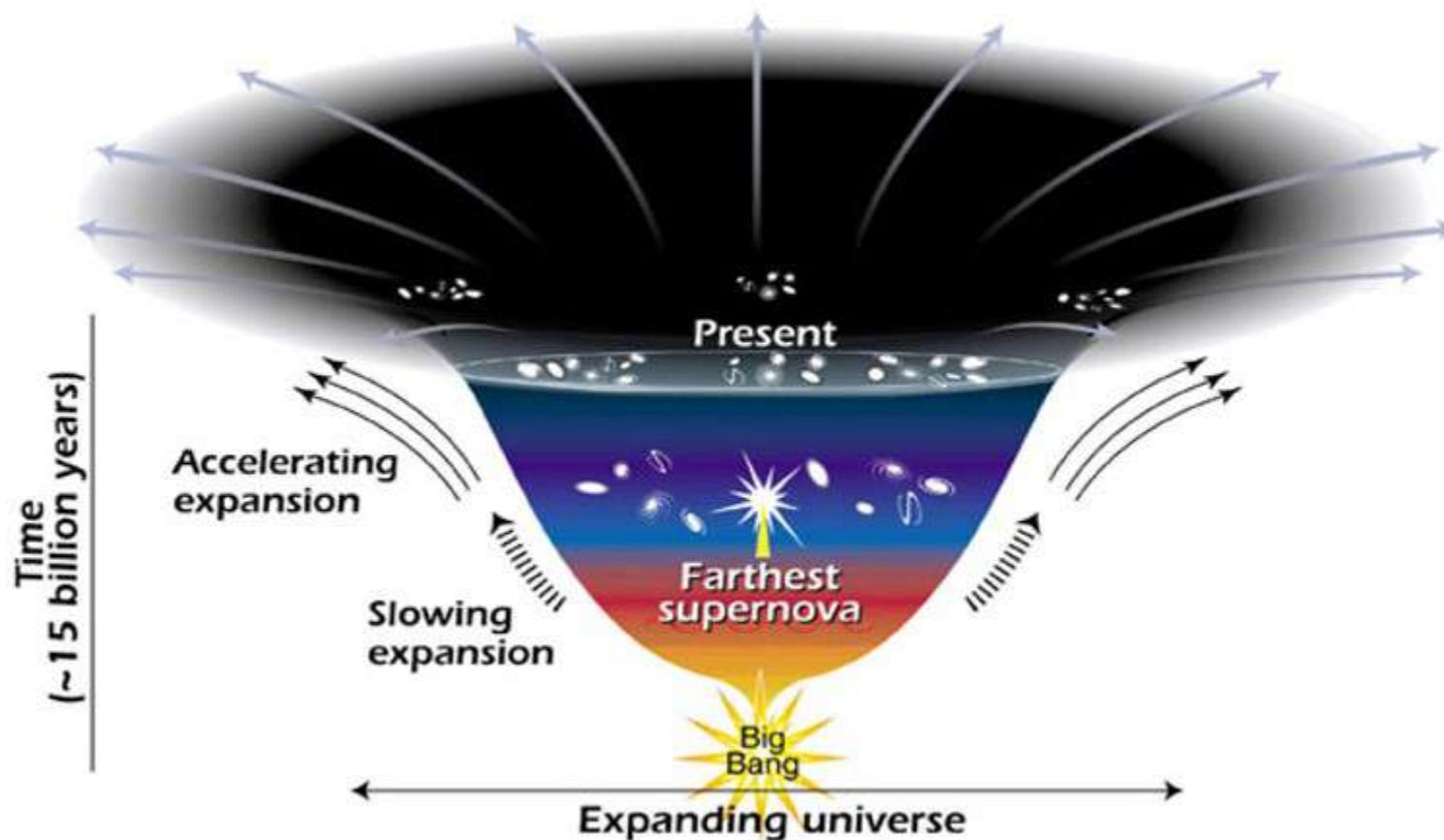
# Gravitacijski valovi: odakle dolaze?



# Gravitacijski valovi: kako ih opažamo?



# Neke zanimljive činjenice (do kojih smo došli zahvaljujući astročesticama)



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## (do kojih smo došli zahvaljujući astročesticama)

