

# Very-High-Energy emission from pulsars

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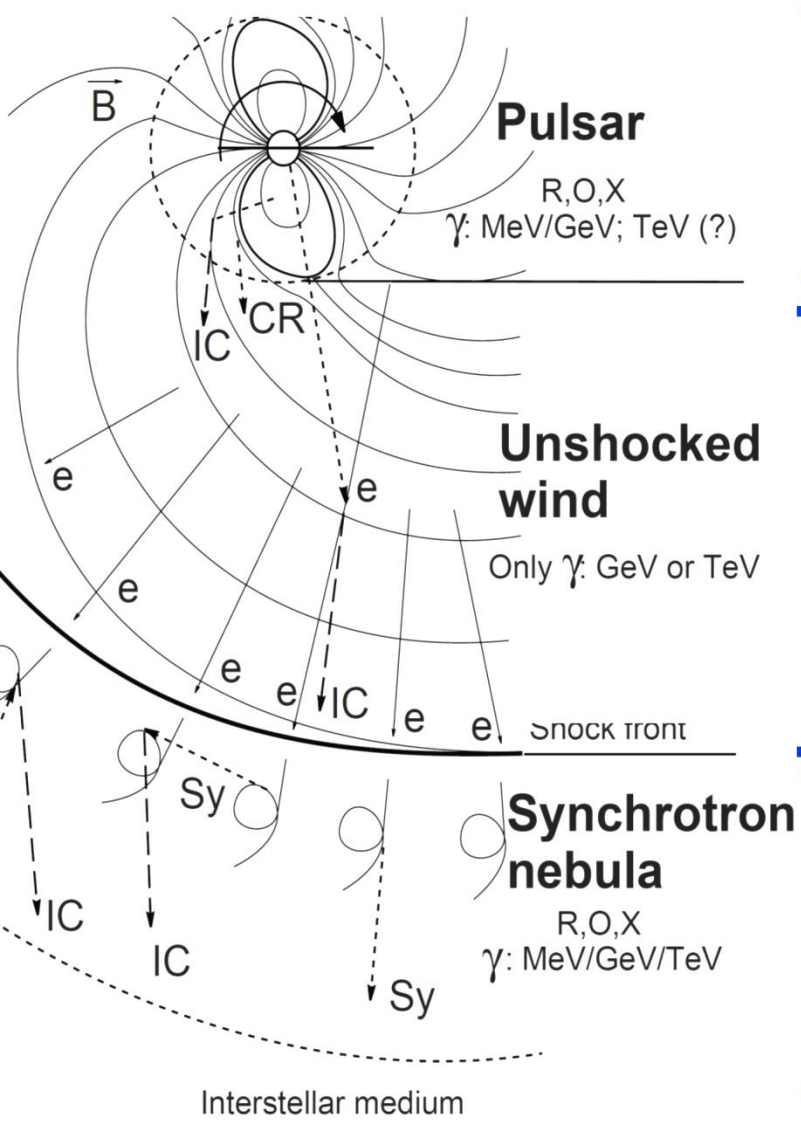
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Pulsed  
inside LC

Detection by IACTs:

**Crab:**  
25 GeV – 1.5 TeV  
(VERITAS and MAGIC)

Pulsed  
outside LC

**Vela:**  
20 – 120 GeV  
(*Fermi* LAT and H.E.S.S. II)

Unpulsed

## Aims:

- Explain where this emission comes from?  
(Breed et al. 2015, 2016)
  - inside and outside the light cylinder
- Ideas: ?
- Working spectral model, combine with data analysis
  - fit the data obtained by *Fermi* LAT and ground-based Cherenkov telescopes to compare the model and data
  - search for trends in energy-dependent light curves and spectra
  - better constrain the pulsar geometry as well as magnetospheric physics.
- Search for more pulsars – upcoming *CTA*!!!

