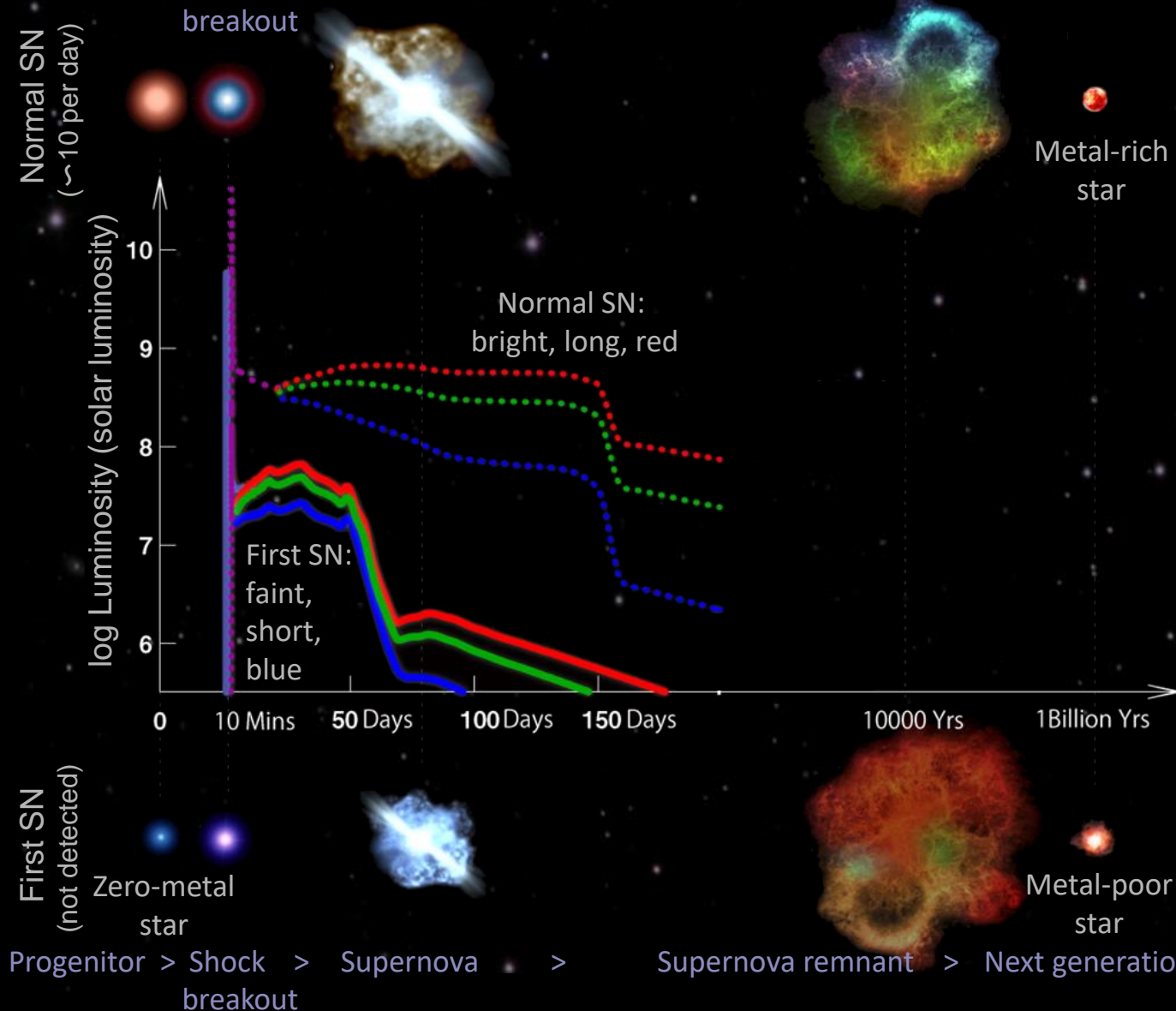


Photometric identification of first supernovae: multicolor light curve simulations

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Progenitor > Shock breakout > Supernova > Supernova remnant > Next generation star



First supernovae (SNe):
near future detections!
How do they explode?
How to identify them?

- Simulations:
 - first supernovae - explosions of first stars (compact, zero-metal stars)
- Result:
 - blue color evolution - easy-to-use indicator of first SN explosions for current and future surveys (HSC/Subaru, JWST).