

Radio Supernovae in the Local Universe

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- Targeted science driver: ... cf. the whitepaper title!
 - Weakly- to strongly-relativistic explosions: SNI \rightarrow GRBs
 - Obscured populations
 - Known populations w/o high-energy triggers
 - Gravitational wave events
 - (pessimistic take: Metzger & Berger 2012)
 - The proverbial “unknown unknowns”
- Strawman design:
 - C band (cf. VLA unique capabilities)
 - ~ 1000 deg²
 - ~ 30 day cadence
 - ~ 4 hr/night
 - ... yields ~ 16 RSNe/month
 - S band very plausible too
- Opportunity costs? Can one size fit all?