

ISAPP 2012 lecture:
Explosive phenomena
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A. Core-collapse supernovae

1. Observations - Classification
2. Theory : overview
3. Gravitational collapse
4. Emission
5. Remnant
6. Conclusion

B. Gamma-ray bursts (GRBs)

1. Observations - Classification
2. Theory : summary of the observational constraints
3. Central engine
4. Prompt emission
5. Afterglow
6. Conclusion