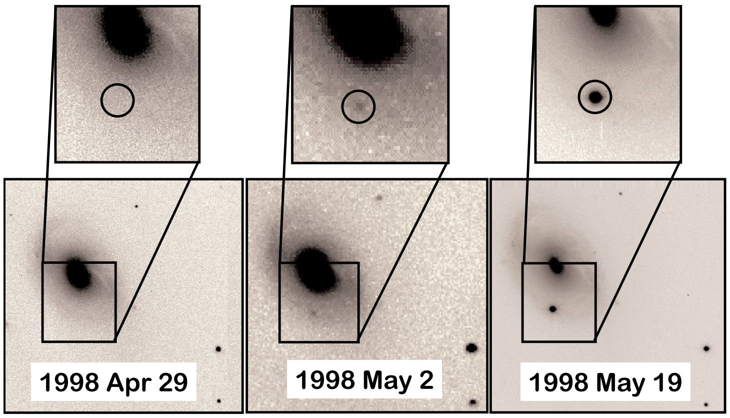
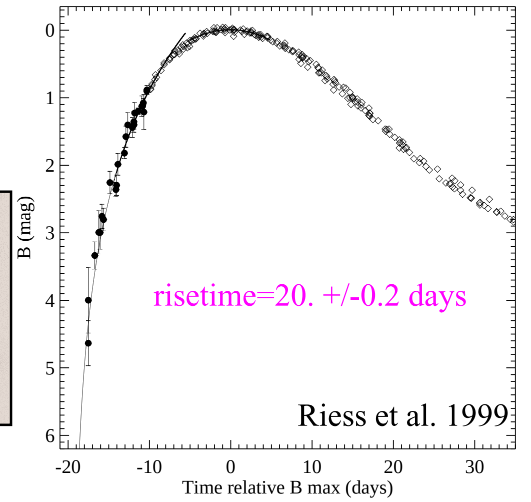
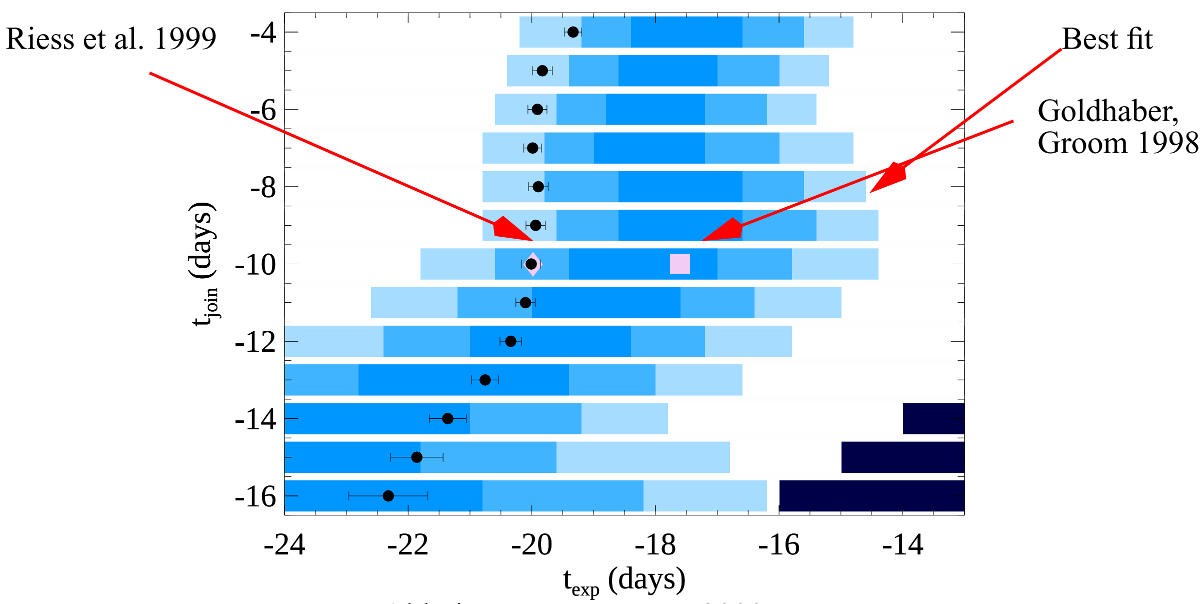
Tests of Evolution

The risetime probes SN Ia physics

earliest SN Ia detection







Aldering, Knop, Nugent 2000

pro:

diagnostic of SN Ia physics

local

con:

we don’t know interpretation!

complex, model-dependent

no agreement (Hoeflich vs Umeda)