



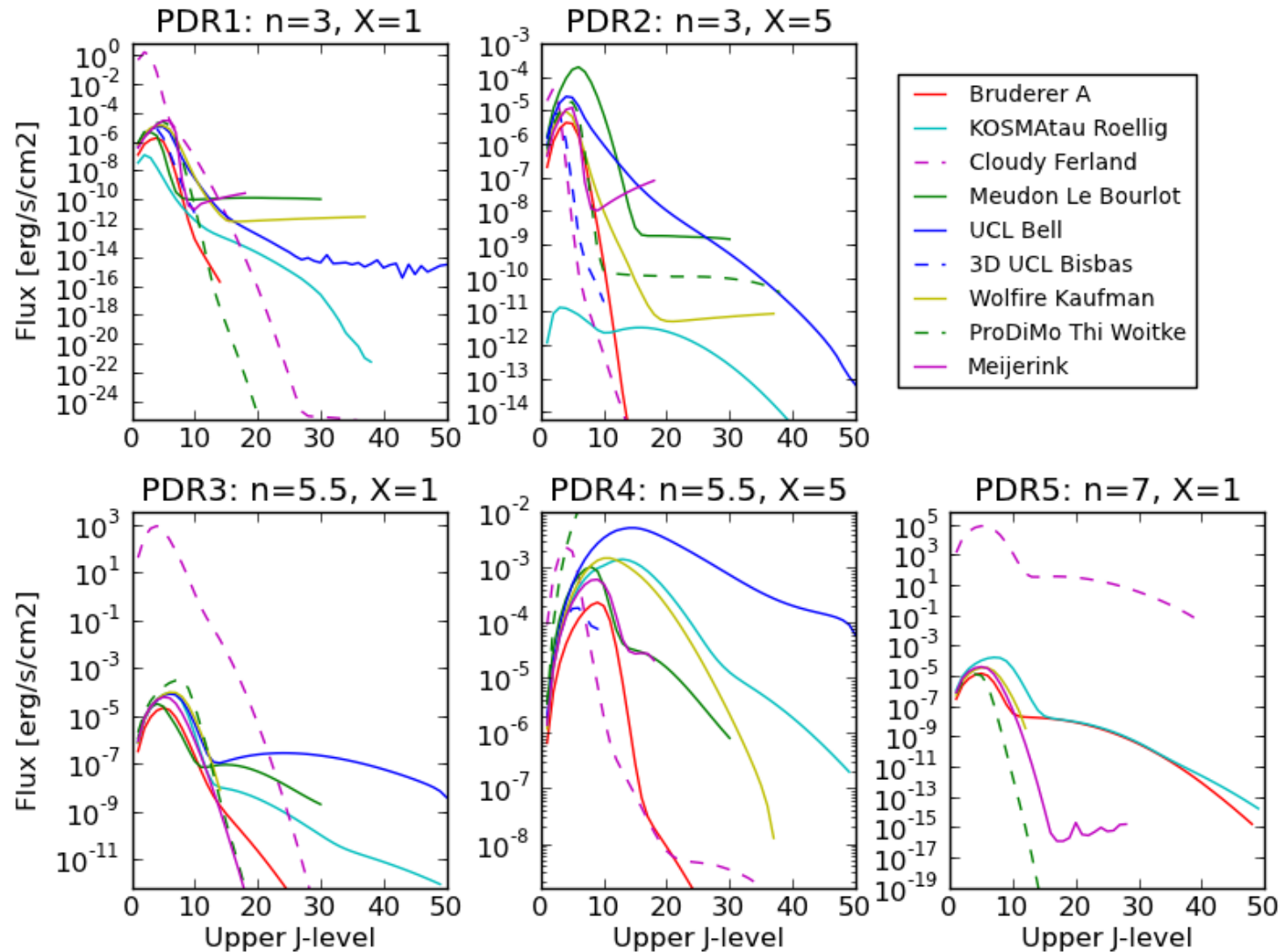
# COMPARISON OF MODELS

(from an observers point of view)

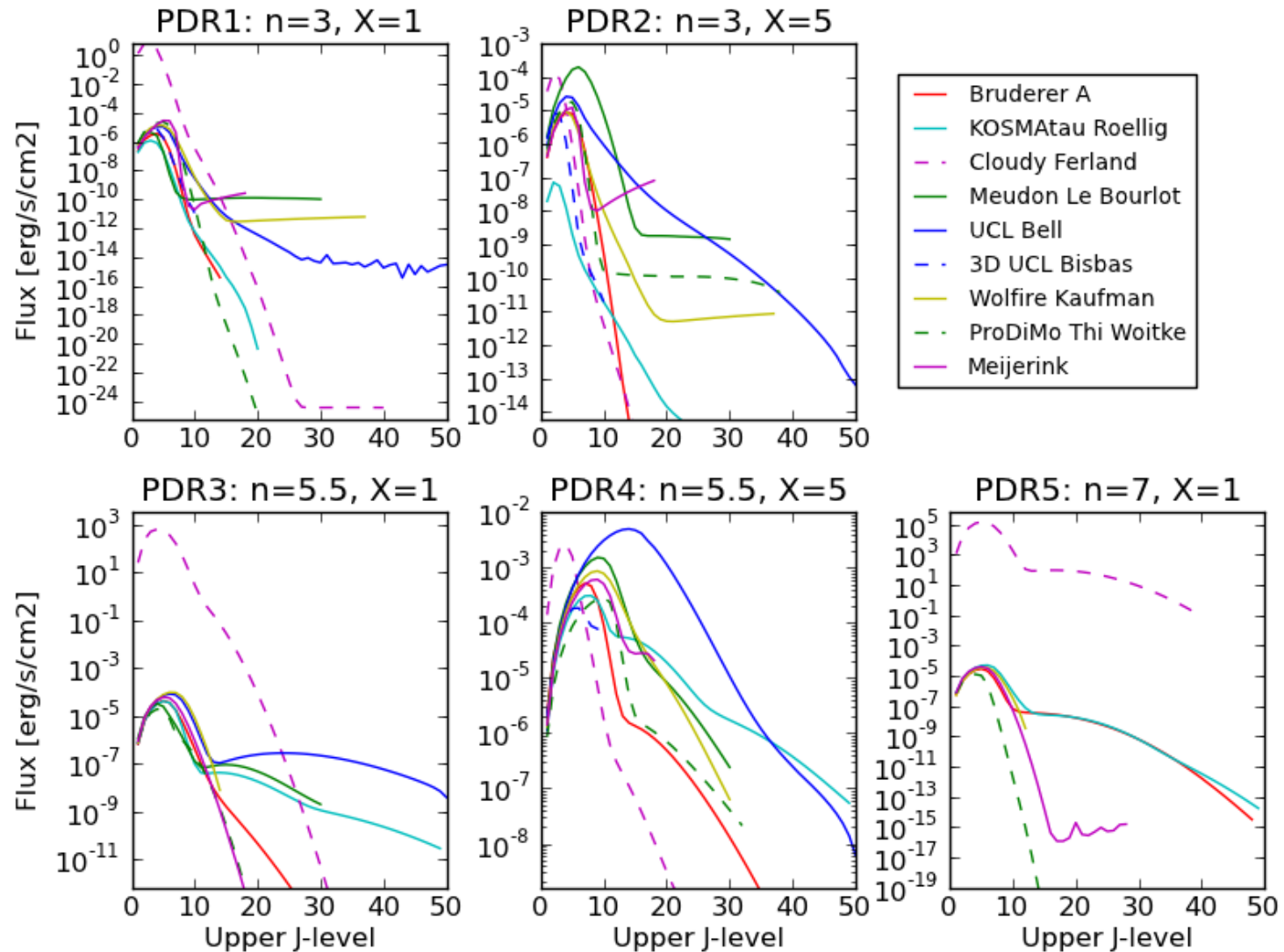
# PDRs

Name	Log density (cm <sup>-3</sup> )	Log UV flux (X)
PDR1	3	1
PDR2	3	5
PDR3	5.5	1
PDR4	5.5	5
PDR5	7	1

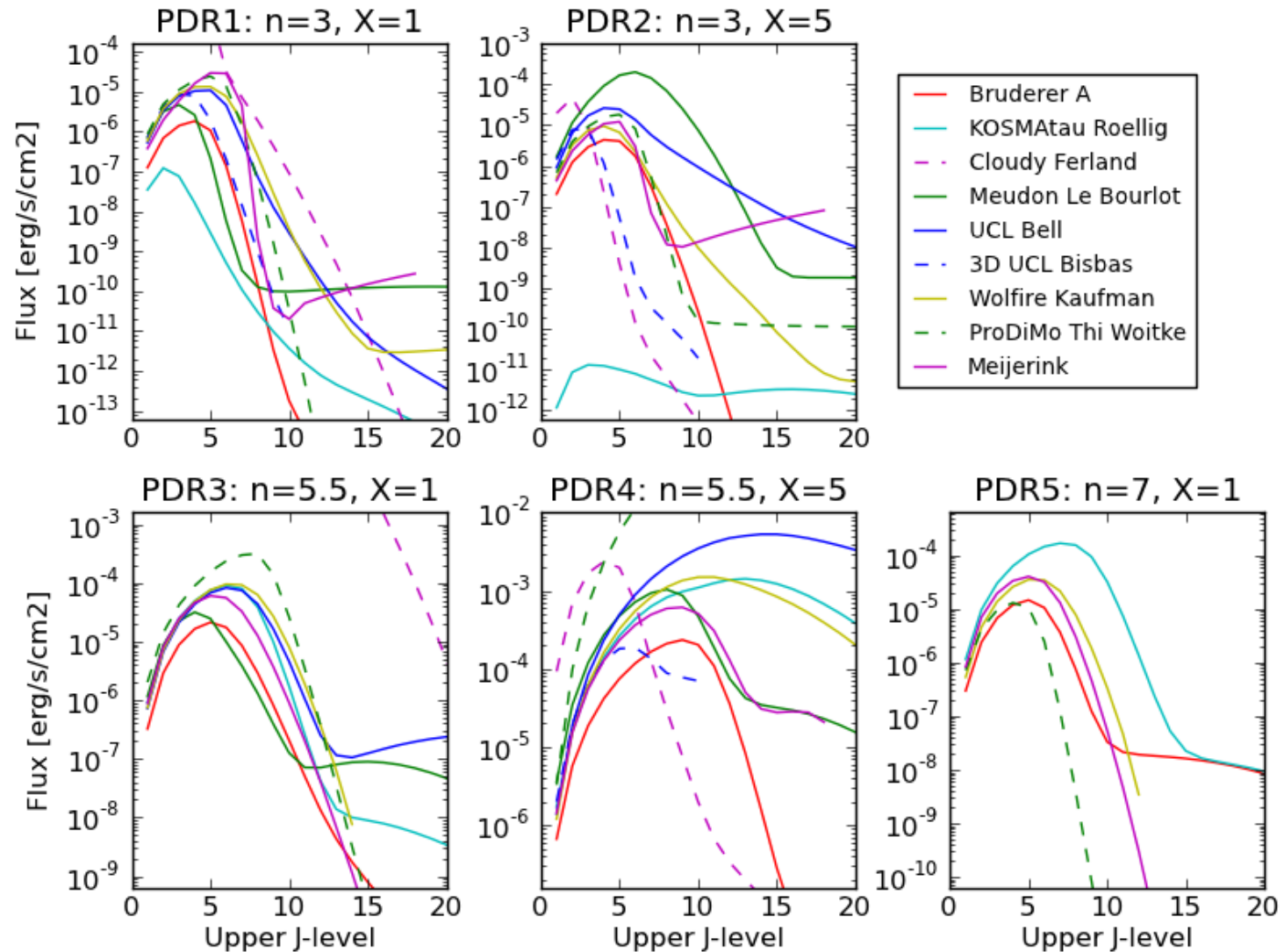
# PDRs: before



# PDRs: after

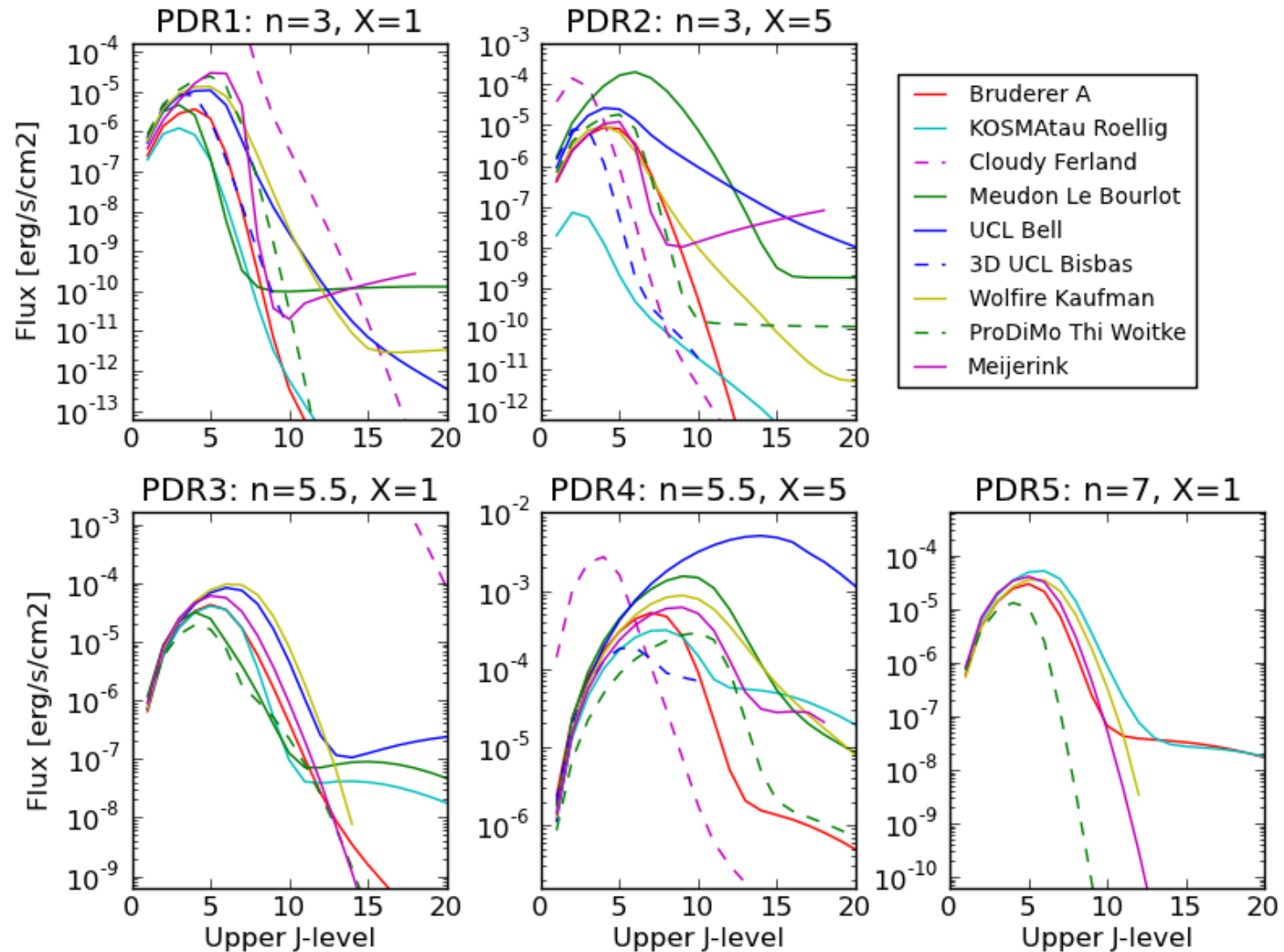


# PDRs: before, zoom

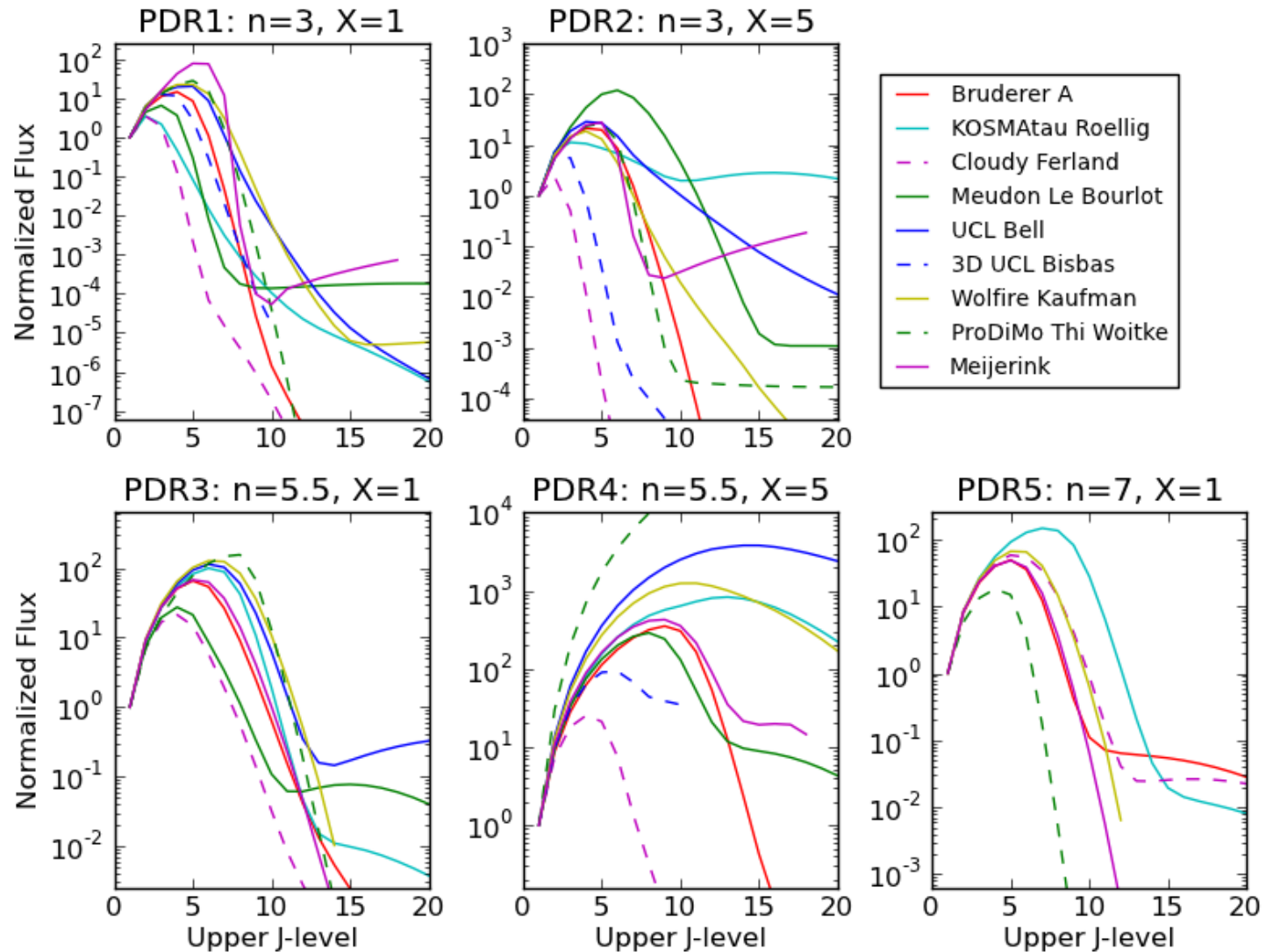




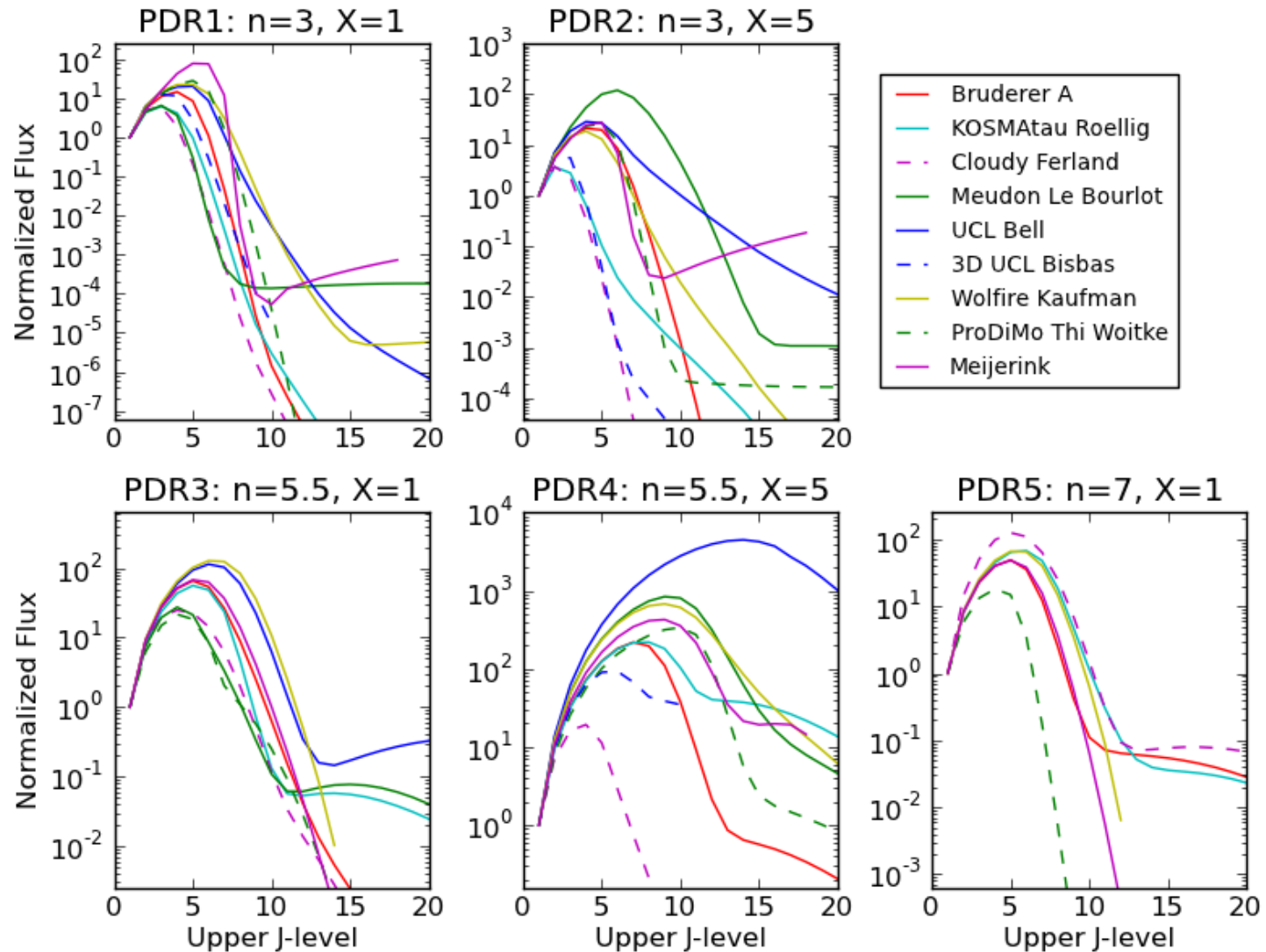
# PDRs: after, zoom



# PDRs: before, normalized

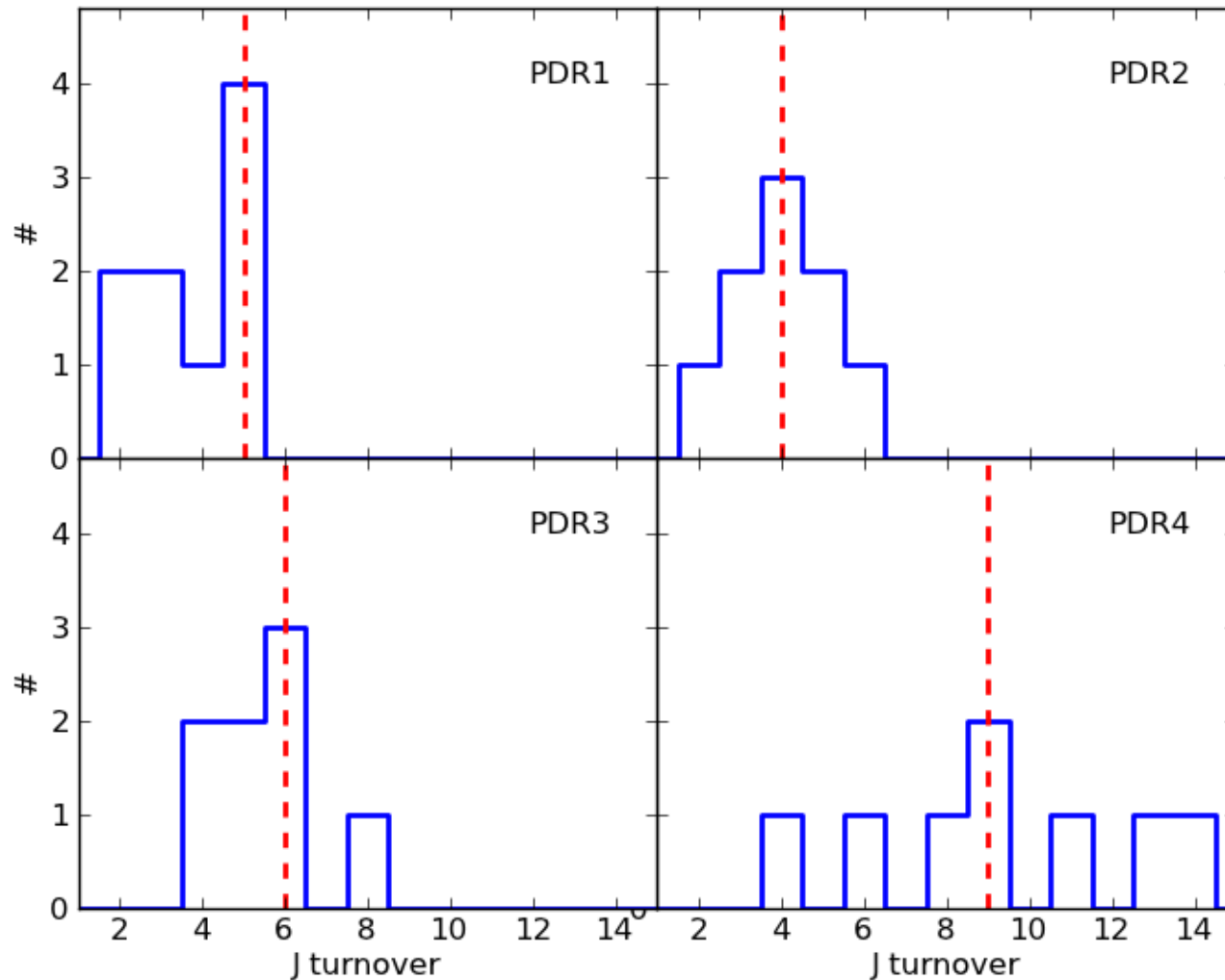


# PDRs: after, normalized

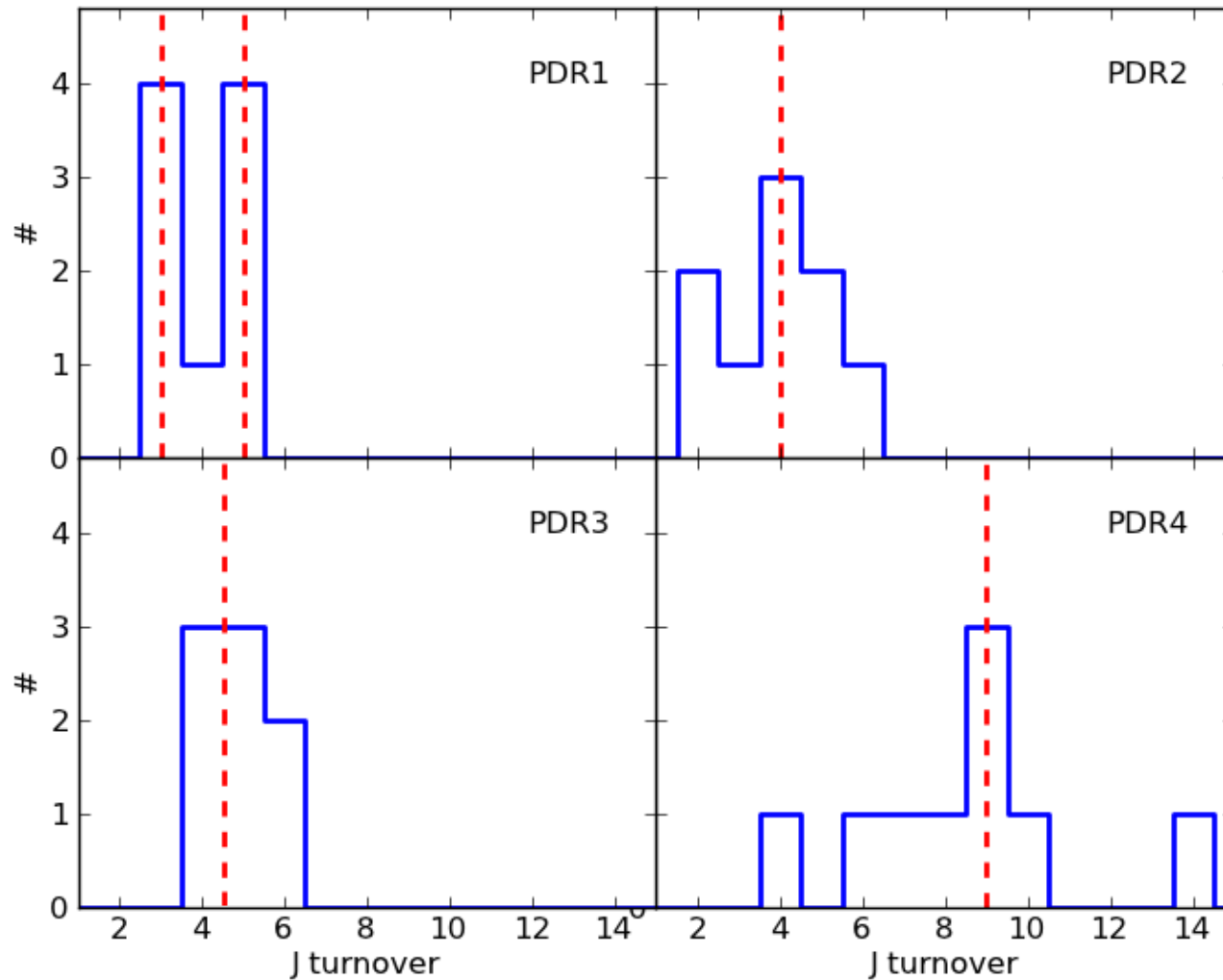




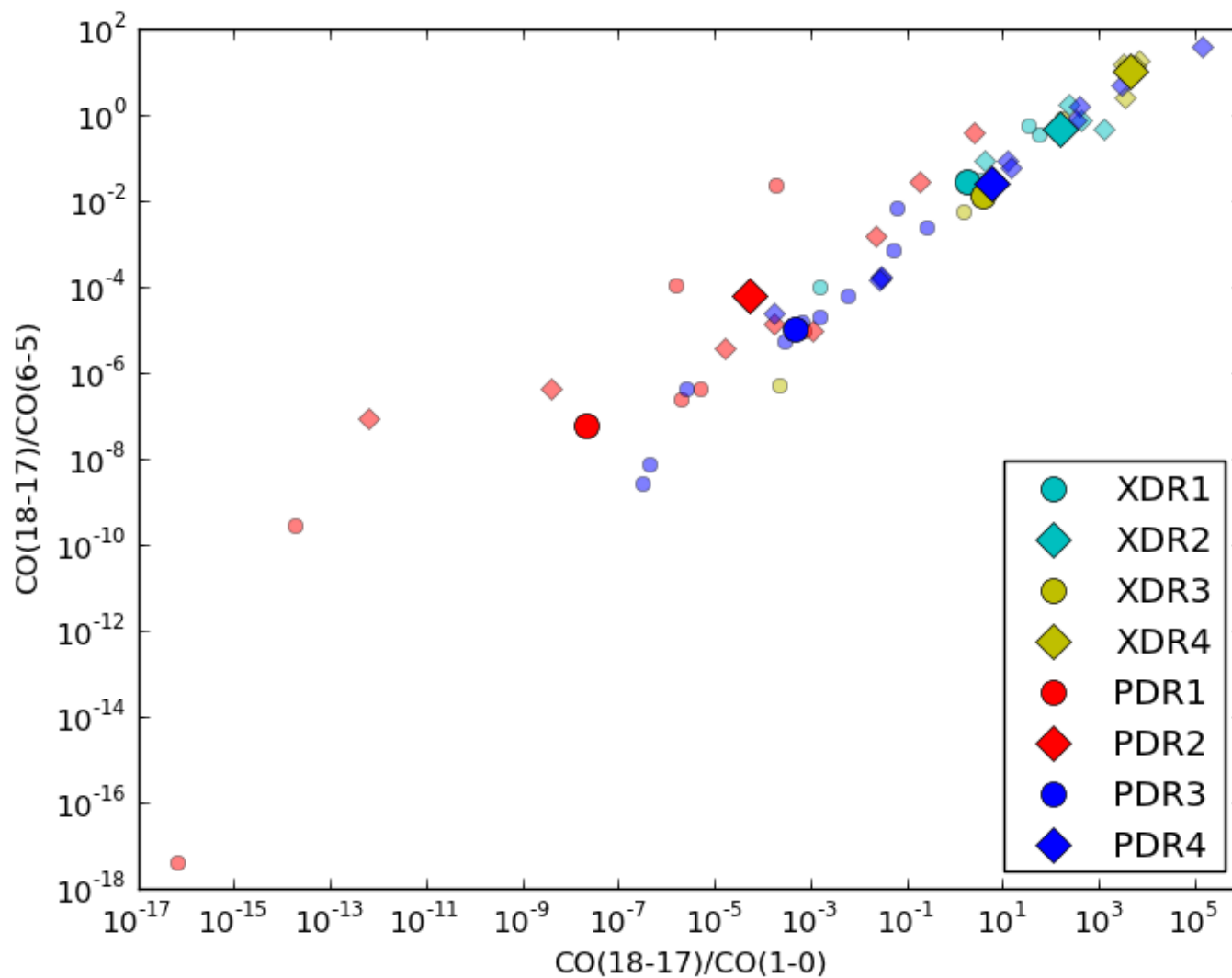
# PDRs: turnover point, before



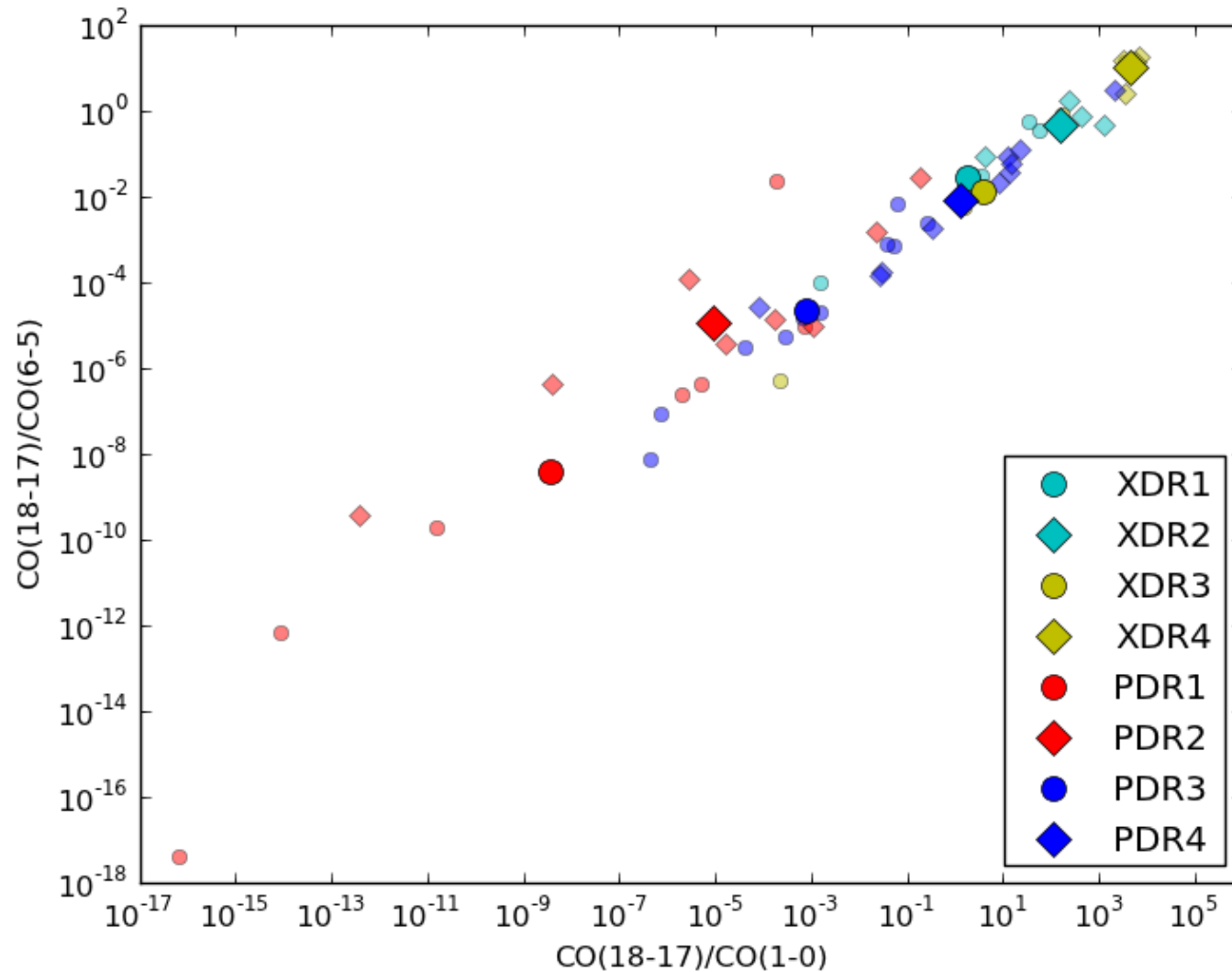
# PDRs: turnover point, after



# PDRs: ratio plot, before



# PDRs: ratio plot, after



# So what does this mean?

## ◎ Good news:

- Models are converging, trends are (a bit) clearer
- There are still differences, but we start to understand them

## ◎ Bad news:

- Determining physical parameters is still difficult
- Be aware that solutions may not be unique

“If you ask a simple question to a complex model, the answer is not necessarily simple”

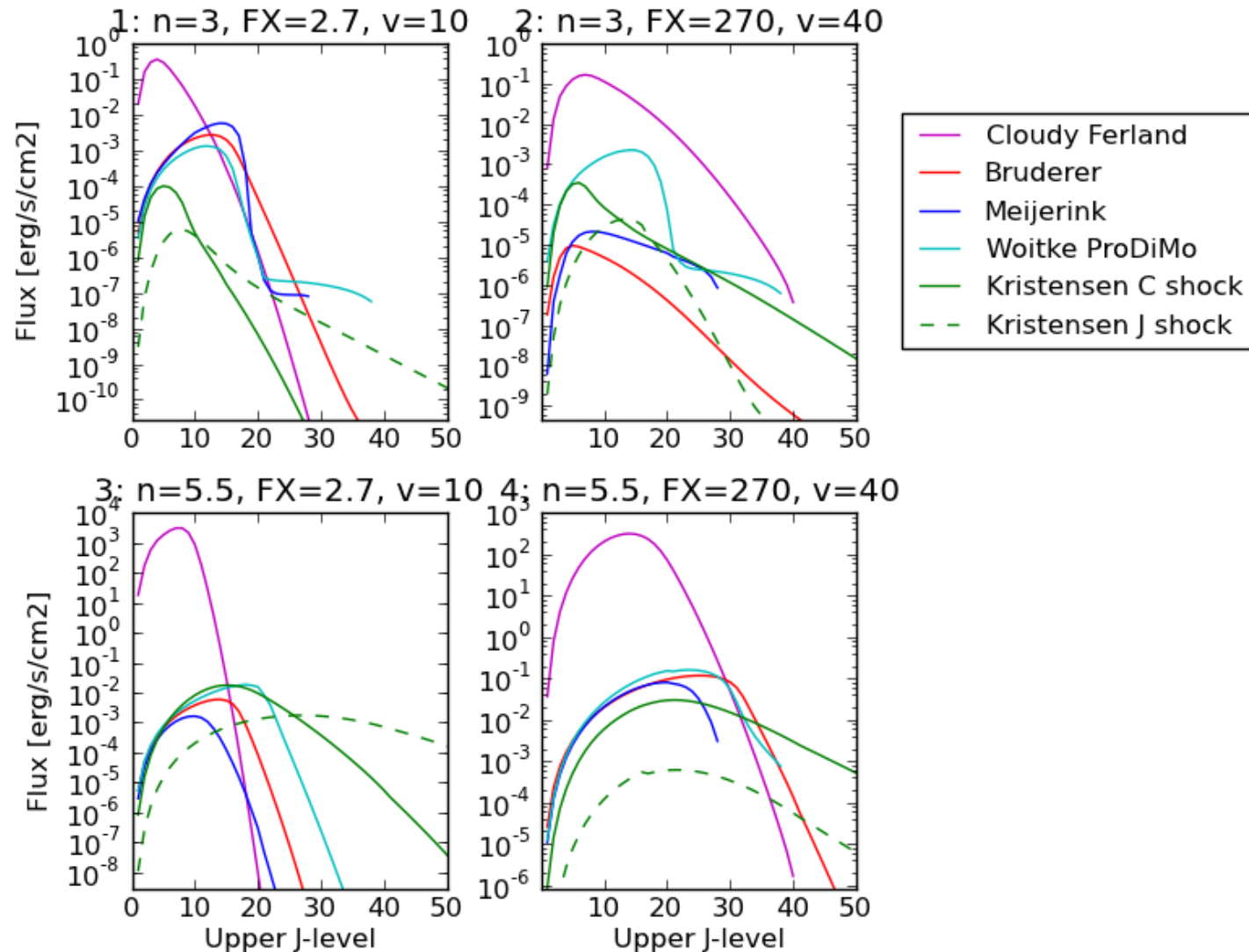


# Extra: XDRs & shocks

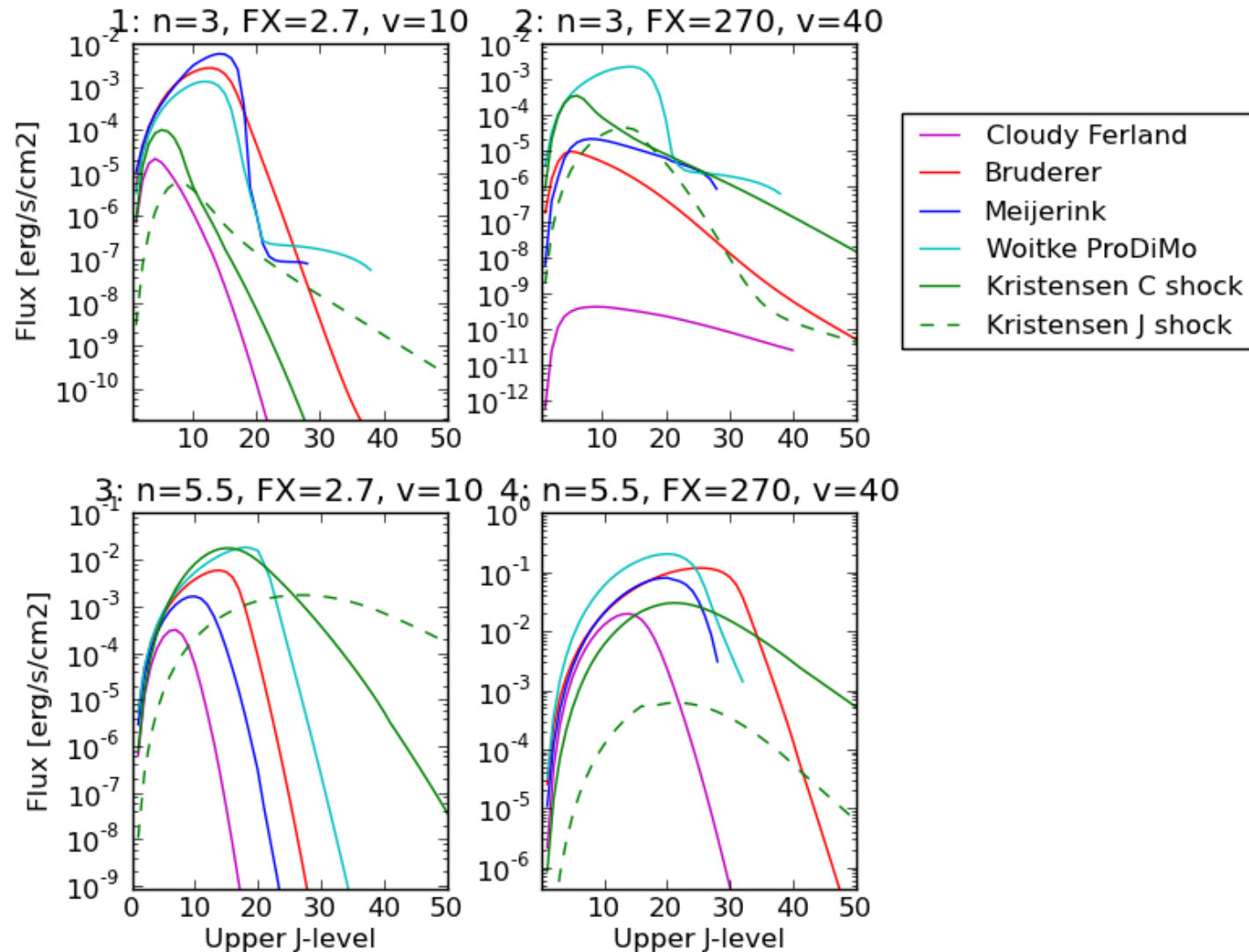
Name	Log density (cm <sup>-3</sup> )	X-ray flux (erg/s/cm <sup>2</sup> )
XDR1	3	2.7
XDR2	3	270
XDR3	5.5	2.7
XDR4	5.5	270

Name	Log density (cm <sup>-3</sup> )	Velocity (km/s)
J/Cshock1	3	10
J/Cshock2	3	40
J/Cshock3	5.5	10
J/Cshock4	5.5	40

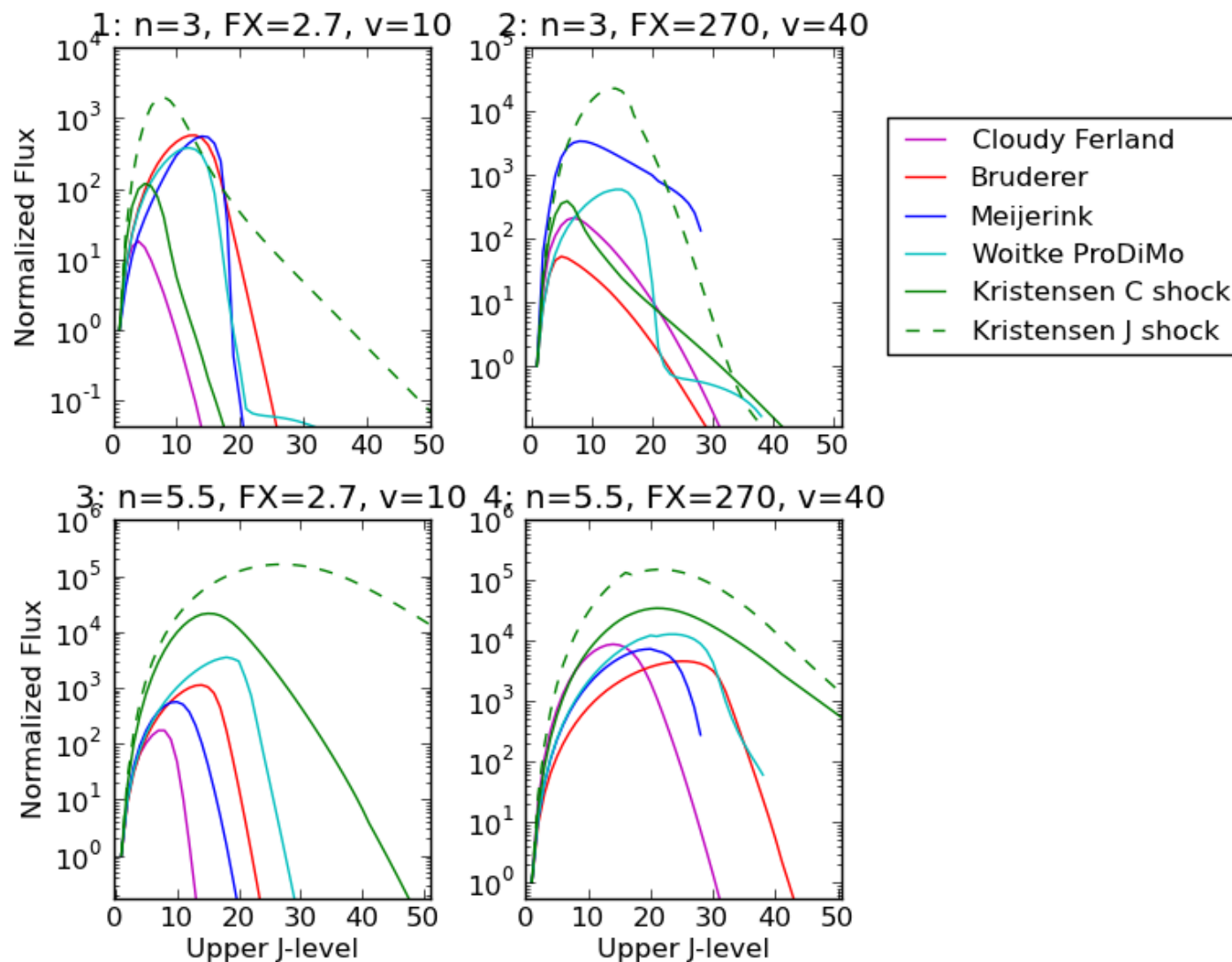
# XDRs & shocks: before



# XDRs & shocks: after



# XDRs & shocks: before, normalized



# XDRs & shocks: before, normalized

