Hi Tommaso, Phil,

Here are a few comments on your review paper. Random ideas and citations that you may want to add. Many are from our group (but not all) but since this is a review paper, better have many references.

- p4 cite also
Burud et al. 2002 AA 391 481 (delay in 1520)
Hjorth et al. 2002 ApJ 572 L11 (delay in 0911)
Jackobson et al. 2005 AA 431 103 (delay in 0951)

These were the motivation for cosmograil + the one by Paul on 1115 of course

- p5
improved astrometry (in PG1115) is also important.. Courbin et al. 1997. An old one, but at the time it was a nice improvement over state of the art.

- Fig. 1- a bit small, it's not obvious that the two panels for 1131 are for the same object.

-p5
properties of galaxies along the line of sight. Also Faure et al. 2004, AA 428 741
Fassnacht et al. 2006 (?) on number counts
Greene et al. on weighted number counts
Kneib et al. 2000 ApJ 544 L35 on WL from HST
Fadely et al. 2010 (in 0957)

don't forget the lens redshift, e.g.,
Eigenbrod 2007 AA 465 51
Eigenbrod 2006 AA 451 759

which in total has 15 lens redshifts …

-p7

Fig3 maybe cite aslo Surdej and Refsdal 1994 who have this figure + the optical lens experiment

-p8

Fig4. can you use this figure to illustrate the MST and/or SPT like in Saha 2000 or Courbin et al 2002 ? That would make another
panel where for 1 of the 3 cases you show different mass profiles with the same delay.

-p11
The cosmograil project (Courbin et al. 2005, IAUS 225 297)
I know it's not an ideal reference… we should have done a refereed paper in the end… but keep the eigenbrod citations which anyway gives an idea of the influence of microlensing.

-p31 conclusion. When talking about physics of accretion disks:
Kochanek 2004 on micro caustic monte carlo
Eigenbrod 2008, AA 480 647 Einstein cross I
Eigenbrod 2008, AA 490, 933 Einstein cross II
Chartas et al. X-ray
McLeod et al. 2015 ApJ 806 258 (from cosmograil curves)

- a word about the high-cadence monitoring in the roadmap ?

- also a word about time delay anomalies, Omega ? Might be too much in the context of this paper but still.

It’s a bit of random ideas but I hope it helps.
Fred

Frédéric Courbin Laboratoire d'astrophysique
Ecole Polytechnique Fédérale de Lausanne (EPFL)
Observatoire de Sauverny
CH-1290 Versoix Switzerland
Tel: +41 22 379 24 18