



Max-Planck-Institut  
für Radioastronomie



VNIVERSITAT  
DE VALÈNCIA

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# 3<sup>rd</sup> WG4 Meeting Summary



Apr 13, 2011

E. Ros - COST MP0905 WG#4 SMBH



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# Recividist participants

- 1<sup>st</sup> Meeting on June 25, 2010
- 2<sup>nd</sup> Meeting on November 15, 2010
- 3<sup>rd</sup> Meeting today, April 13, 2011
- People attending to all 3 meetings:
  - **Antón, Britzen, Fromm, Gabányi, Gergely, Ilic, Karouzos, Mack, Mezcua, Popovic, Ros, Romano, Vercellone**
- People attending to 2 meetings:
  - **Alberdi, Angelakis, Caramete, Fuhrmann, Mantovani, Meliani, Papadakis, Rafanelli, Tesileanu, Zensus**

# WG4 – a balance

- ◉ 9 + 9 + 14 talks in parallel sessions & several WG4-related talks in plenary sessions
- ◉ Successful STSM stays
- ◉ Topics:
  - Observations across the spectrum
  - Theory & simulations

# Today's session

- CTA for BH and SMBH studies (Vercellone 10')
- Swift for BH physics (Romano 10')
- Optical emission lines & X-rays (La Mura 10')
- Optical AGN monitoring (Ilić 10')
- BH mass function (Caramete 10')
- Planck SED results (Tornikoski 15')
- MOJAVE SED results (Ros 10')
- Shock-Shock interaction in CTA102 (Fromm 10')
- Growing BH through mergers (Karouzos 10')
- Pc-scale of AGN (Mezcua 10')
- IDV in 0954+658 (Marchili 10')
- Double-peaked narrow-line AGN (Gabányi 10')
- Mass ratios and final spin in mergers (Gergely 15')
- Field of clusters of galaxies (Hüdaverdi 10')

# Future work

- More WG meetings to come:

|             |             |
|-------------|-------------|
|             | Autumn 2011 |
| Spring 2012 | Autumn 2012 |
| Spring 2013 | Autumn 2013 |
| Spring 2014 |             |

- Workshops – summer school – final big conference

# Future work (ii)

- ◉ Sustainable publication (book)
  - Volunteers
- ◉ Structured discussion on selected topics in next meeting
- ◉ Focus topic for plenary sessions
- ◉ PR input
- ◉ Working in other proposals (e.g. Marie Curie)