



Issues To Be Discussed

Gary Sanders
Elba “Aspen” Meeting
May, 2002



Background to This Meeting

- Original 1995 Aspen meeting intention was to bring LIGO community together into a collaboration that guided and exploited LIGO
 - » Centered on LIGO
- Aspen meetings recognized as successful and “adopted” by GWIC
 - » Theme is “Advanced Detector Workshop” – GWADW
 - » Attempts to broaden it beyond LIGO succeeded only partially
- December 2000 formation of EGO consortium brought Virgo sponsorship into a new set of assumptions
- January 2000 meeting between Sanders/Shoemaker and CNRS/INFN/EGO/SMA-Lyon to discuss R&D collaboration in coatings broadened into discussion of:
 - » Joint R&D and Virgo/LIGO partnership in upgrades
 - » “...running as a single machine...” - Giazotto



Background Continued...

- LIGO and GEO already, in 2001, agreed to running/analyzing/publishing together
 - » LIGO/GEO ran together during E7 run
 - » This will continue during S1, S2, ...
- Joint coating R&D (Phase I) in progress between EGO/SMA-Lyon and LIGO
- Networked data analysis meetings chaired by Giazotto
- Much networked data analysis development in progress
- LIGO – TAMA agreement being worked out now
- GWIC has supported and encouraged these developments
- Bar detectors included
 - » Note Allegro run during E7
- GEO proposes participation in Advanced LIGO construction



This Meeting

- January 2001 meeting in Lyon suggested rotating “Aspen” meeting to Europe during 2002 to encourage advanced detector R&D groups to interact more
- “...running as a single machine...” also adopted as a theme
- First 2 days of this meeting
 - » Vision for joint R&D
 - » Vision for joint observing/development/science
 - » Status of new current generation detectors
 - ***All interferometers now in commissioning or observing !!***
 - » Remaining agenda
 - Networked analysis
 - Computing – virtual observatories
 - Spanning the GW frequency bands
 - Future detectors
 - Lowering the floor



Other Issues to Discuss

- ...