

# SPIRE Instrument: Photometer Overview Bernhard Schulz (NHSC/IPAC)

on behalf of the SPIRE ICC, the HSC and the NHSC





#### The Instrument



Cesa Mifice anso



#### **Bolometer Arrays Projected on the Sky**







#### **SPIRE** in the Herschel Focal Plane







#### SPIRE Wavelength Coverage



cesa Mifigice anso







## **Photometer Observing Modes**





#### **Photometer Observations**



esa Mifiec

**(IIISC** 

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## Parallel Mode SPIRE and PACS

- Scan maps at speeds of 20 and 60"/sec with PACS and SPIRE active in parallel are useful 1. for large-area surveys.
- 2. The distance between PACS and SPIRE apertures is 21 arcmin.
- Two almost orthogonal (84.8<sup>o</sup>) directions for cross scanning are available. 3.





PACS

155" orth.

168" nom.



### **Examples for Photometer End Products**

