

# APFELgrid timings

gcc-5.2.1 on i7-6500U CPU @ 2.50GHz

10<sup>0</sup>

10<sup>1</sup>

10<sup>2</sup>

ATLASZRAP  
 ATLASWPRAP  
 ATLASWMRAP  
 ATLASLOWMASSDY11  
 CMSDY2D12 BIN1  
 CMSDY2D12 BIN2  
 CMSDY2D12 BIN3  
 CMSDY2D12 BIN4  
 CMSDY2D12 BIN5  
 CMSDY2D12 BIN6  
 CMSWEASY840PB  $W^-$   
 CMSWEASY840PB  $W^+$   
 LHCBW36P  $W^-$   
 LHCBW36P  $W^+$   
 ATLASWPT31PB  $W^-$   
 ATLASWPT31PB  $W^+$   
 CDFZRAP  
 CMSWMASY47FB  $W^-$   
 CMSWMASY47FB  $W^+$   
 CMSJETS11 BIN1  
 CMSJETS11 BIN2  
 CMSJETS11 BIN3  
 CMSJETS11 BIN4  
 CMSJETS11 BIN5  
 CMSWCHARM  $W^-$   
 CMSWCHARM  $W^+$   
 CMSDY2D11 BIN1  
 CMSDY2D11 BIN2  
 CMSDY2D11 BIN3  
 CMSDY2D11 BIN4  
 CMSDY2D11 BIN5  
 CMSDY2D11 BIN6  
 ATLASR04JETS2P76TEV BIN1  
 ATLASR04JETS2P76TEV BIN2  
 ATLASR04JETS2P76TEV BIN3  
 ATLASR04JETS2P76TEV BIN4  
 ATLASR04JETS2P76TEV BIN5  
 ATLASR04JETS2P76TEV BIN6  
 ATLASR04JETS2P76TEV BIN7  
 LHCZ940PB  $Z \rightarrow e^+ e^-$   
 LHCZ940PB  $Z \rightarrow \mu^+ \mu^-$   
 TTBAROT 7 TeV  
 TTBAROT 8 TeV  
 D0ZRAP  
 ATLASZHIGMASS49FB  
 ATLASR04JETS36PB BIN1  
 ATLASR04JETS36PB BIN2  
 ATLASR04JETS36PB BIN3  
 ATLASR04JETS36PB BIN4  
 ATLASR04JETS36PB BIN5  
 ATLASR04JETS36PB BIN6  
 ATLASR04JETS36PB BIN7

- ▲ APFELgrid AVX
- APFELgrid SSE3
- APFELgrid dot product
- ▼ APPLgrid

10<sup>-1</sup>

Time per point (us)

Ratio to APFELgrid AVX