

# APFELgrid timings

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

$10^0$

$10^1$

$10^2$

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

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

$10^1$

Time per point (us)

$10^4$

Ratio to APFELgrid AVX

$10^2$