

Synergia2 - Bug #17180

devel-pre3 libff propagation fails when there is an odd number of particles using vector class

07/13/2017 05:58 PM - Eric Stern

Status:	New	Start date:	07/13/2017
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>The vector instructions sse2/avx/avx-512 require alignment of the particle array with the size of the vector class (2/4/8). With libFF vectorization, the data ordering is $x*n$, $xp*n$, $y*n$, If there an odd number of particles, then even if the x array is aligned, the xp array will not be aligned causing an exception.</p>			