

Synergia2 - Bug # 20: periodicity along z direction

Status:	Resolved	Priority:	Normal
Author:	Alexandru Macridin	Category:	
Created:	05/13/2009	Assigned to:	
Updated:	05/13/2009	Due date:	
Subject:	periodicity along z direction		
Description:	<p>The periodicity is imposed in the time coordinate, i.e before converting from t to z. However, for space-charge solvers, periodicity in z is assumed.</p> <p>The periodicity in t does not imply periodicity in z, since the total z length is $L=\beta_i c \cdot 2\pi$, while $z_i=\beta_i c \cdot t_i$. Since β_i can be larger than β, particles can fall outside the grid after conversion from t to z. Solution: periodicity in z should be imposed after conversion from t to z.</p>		

History

05/13/2009 04:58 PM - Alexandru Macridin

- Status changed from New to Resolved

periodicity in z, after conversion from t to z is imposed