

BEFORE



$$\left(\frac{E}{c}, \mathbf{p}\right) = (mc, 0, 0, 0)$$

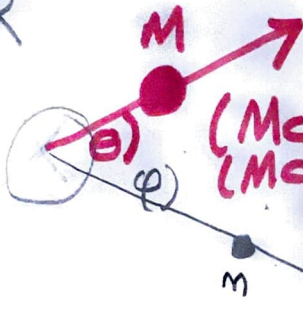
$$\left(\frac{E}{c}, \mathbf{p}\right)$$

$$= (Mc \cosh \Pi, Mc \sinh \Pi, 0, 0)$$

$$(Mc \cos \Pi, Mc \sin \Pi, 0, 0)$$

OUR UNIVERSE
ORTHOGONAL

AFTER



$$(Mc \cosh \Delta, Mc \sinh \Delta \cos \theta, Mc \sinh \Delta \sin \theta, 0)$$

$$(Mc \cos \Delta, Mc \sin \Delta \cos \theta, Mc \sin \Delta \sin \theta, 0)$$

$$(mc \cosh \delta, mc \sinh \delta \cos \varphi - mc \sinh \delta \sin \varphi)$$

$$(mc \cos \delta, mc \sin \delta \cos \varphi, mc \sin \delta \sin \varphi, 0)$$