## How the components of the Production rate (P) affect the geodating? – Simple Burial Method

$$P_{i} = \sum_{j} A_{i,j} e^{-z/L_{j}} \qquad \qquad t \approx \bar{\tau} ln \left[ -\frac{1}{2N_{10}^{*}} + \sqrt{\left(\frac{1}{2N_{10}^{*}}\right)^{2} + \frac{2}{N_{26}^{*}}} \right]$$

Sample ID True sample nam N10 σN10 N26 σN26 26Al/10Be σ26Al/10Be TM-4 UW105B008 6.39E+05 1.76E+04 1.72E+06 1.28E+05 2.69 0.08

## Geodating as function of the parameter A(0)

## Rock Age (Ma) Function 1.672 Rock Age with Braucher parameters 1.67 A(0) +/- 1% 1.668 1.666 1.664 1.662 1.66 1.658 1.656 1.654 4.35 4.45 4.5 4.55 4.6 4.65 4.4 Value of parameter A(0)

## Geodating as function of the parameter A(0)

