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...

[0.00019009 0.0001577 ]

[0.00018966 0.00015709]

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[0.0001905 0.00015823]]

*Msd et incertitude dessus*

(array([1.72733433e-12, 3.53021416e-12, 6.26874633e-12, 1.00040503e-11,

1.44114121e-11, 2.09897258e-11, 2.83287044e-11, 3.57744342e-11,

4.35064857e-11, 5.36617572e-11, 6.34477937e-11, 7.52142988e-11,

8.79751427e-11, 1.01330110e-10, 1.15730061e-10, 1.30268631e-10,

1.44832390e-10, 1.61403065e-10, 1.78459420e-10, 1.96117775e-10,

2.13023581e-10, 2.33888154e-10, 2.53781016e-10, 2.73907594e-10,

2.99358417e-10, 3.25006227e-10, 3.51076051e-10, 3.76172989e-10,

4.01478152e-10, 4.28317122e-10, 4.53269597e-10, 4.75817497e-10,

5.02346625e-10, 5.33268807e-10, 5.61358195e-10, 5.88877671e-10,

6.21196323e-10, 6.45761043e-10, 7.09522030e-10, 7.43212252e-10,

7.35795714e-10, 7.61091716e-10, 7.91512505e-10, 8.15692515e-10,

8.38853720e-10, 9.29459448e-10, 9.65909625e-10, 9.96253815e-10,

1.02986385e-09, 1.05757804e-09, 1.17380728e-09, 1.21953654e-09,

1.16879012e-09, 1.18935154e-09, 1.21387407e-09, 1.25209997e-09,

1.27629736e-09, 1.44096361e-09, 1.46024031e-09, 1.45403817e-09,

1.44426625e-09, 1.42826503e-09, 1.36816826e-09, 1.61191348e-09,

1.96189679e-09, 2.01185144e-09, 2.04055921e-09, 2.10104658e-09,

2.17337419e-09]),

array([3.18004876e-12, 4.61538374e-12, 6.08275641e-12, 7.86298733e-12,

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1.68626399e-11, 1.85951828e-11, 2.01911266e-11, 2.19308544e-11,

2.38858349e-11, 2.58464467e-11, 2.69560029e-11, 2.93753855e-11,

3.13107194e-11, 3.32829414e-11, 3.50226754e-11, 3.68355453e-11,

3.84353481e-11, 4.02958948e-11, 4.25982086e-11, 4.11775312e-11,

4.30840672e-11, 4.80939826e-11, 4.88768332e-11, 5.19509347e-11,

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8.00704748e-11, 8.09405009e-11, 8.20513011e-11, 8.34048820e-11,

8.29711054e-11, 8.89509326e-11, 9.02123660e-11, 9.05395272e-11,

9.03629290e-11, 8.87627509e-11, 8.75952278e-11, 9.49839554e-11,

1.05241836e-10, 1.08288002e-10, 1.10561504e-10, 1.11773546e-10,

1.18086386e-10]))

Coefficients du polynôme ajusté :

[4.53394205e-13 4.66106223e-13 8.02865237e-13]

Matrice de covariance des coefficients :

[[ 2.12315423e-28 -1.11377712e-27 1.06348330e-27]

[-1.11377712e-27 6.13487862e-27 -6.15237501e-27]

[ 1.06348330e-27 -6.15237501e-27 6.87199379e-27]]

Incertitudes sur les coefficients : [1.45710474e-14 7.83254660e-14 8.28974896e-14]

Coefficient de diffusion (m^2/s): 1.16526553e-13

Taille de la particule (m): 1.88e-06 m, avec une incertitude : 3.17e-07